

cttctcttct tcttcttctt ctacccttca atattaatat tccgagcaaa aaccaccaac 60
 aacaacatca ccaccaacaa gaagaacaag attggcggtta tgggtctctt cctttctagg 120
 aatttggtt gcaaattcat ataccctttt cttttctcca agaaggtttc caaggatttg 180
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<223> Clone ID: 701039644H1

<400> 46384

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 tccccaatgg acaccacctt tgccaacata tccaccacca acgtcttatt tttcatcaac 180
 atttgatgat tcagattcat cttcatccac atccacctt ggcatcatcg taggagtctt 240
 ggttggtgt 249

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039645H1

<400> 46385

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 gttctaattg ctgcttggtg cagactgtga ttgtttgtta actgaacttt tcgagcaaaa 180
 tgtctggacg tggaaagggg ggcaaggggt tgggaaaggg aggagcgaac cgacaccgta 240
 aggtttgcgc cgat 254

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<213> Glycine max

<223> Clone ID: 701039646H1

<400> 46386

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ctctccttca ccgtcgctct ctccaacgat cacaacaaca tcgtcatccc atggcaaacy 120
ccgcatctgg tatggcagtc catgatg 147

<210> 46387

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 701039648H1

<400> 46387

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ccacaccctc tgtgtgaggt gtggccgcgc cagcttcac ctccagaaga gtcgttgctc 120
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<210> 46388

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039649H1

<400> 46388

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tattaatccc tcagaagtcc atacccaaga catgcaagcc ttgattgcac aagcctgcat 180
ggacattgaa aaccataact catgcctcac aaacatccac aacgagctca ccaaaatagg 240
ccctcctagt tccagttcag tggttagt 268

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<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701039650H1

<400> 46389

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 ctgattcctt gtaacagcaa cagccat 147

<210> 46390

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701039651H1

<400> 46390

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 gatcataggt ttggtctgct tcgcgggact aatggctggc ctcactctcg gactcatgtc 120
 attgggactc gtcgagctcg aagttct 147

<210> 46391

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701039652H1

<400> 46391

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 ctgaagtatc ttctgttctg gctcatgggc cttatttgac atttcccttg ggaaggaggg 120
 atagtttaac agcaaataga acccttg 147

<210> 46392

<211> 148

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039653H1

<400> 46392

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ggacgtgttc cactctccct agatgcacaa ctatgccct ccttttacag agacacttgt 120
cncagggttc actccattgt tcgtgaag 148

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039654H1

<400> 46393

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gttttagatg gagtaattca gctaacagaa agggatgaat gtgcctacca agaaatgatc 120
actcatcttc ctctctgctc tattccaaac ccaaaaagg ttttggttat cgggtggaggt 180
gatggagggg tcatacgaga agtagcacac cattcttcag ttgaaaagat a 231

<210> 46394
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: 701039657H1

<400> 46394

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cttcctttct aaggggagtc tgaatcccgt gagttttcaa tatgacgtcg ttcttgaagc 120
ctgagaatgc tctgaaaagg gcggaa 146

<210> 46395
<211> 140
<212> DNA
<213> Glycine max

<223> Clone ID: 701039658H1

<400> 46395

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tccccttctc tctgggacaa tattgtaatt ctgacagggt gaagacaact taatgggagt 120
gtgggacggt tctgattaac 140

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 <211> 145
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039659H1

<400> 46396

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 taatctgaag caggtatggt caattcggtc ttcaaattctc actgaggcat cttgcccagt 120
 aaaaaatgtg aatgattttc atgac 145

<210> 46397
 <211> 143
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039660H1

<400> 46397

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 ttctgatctg cgaaaatgag agagtgcac tcgatccaca ttggtcaggc tggatccag 120
 gtcggaaatg cttgctggga gct 143

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039661H1

<400> 46398

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 gccccttctc ctttgggggt caggtgtctc agttcctccg attcaaagct cgggcccttg 180
 aattgatcgc taaaggcagg aaatttgata agtacgtccc tgatgaaaat gttcttgaga 240
 agggattgta catgt 255

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 <212> DNA
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<223> Clone ID: 701039662H1

<400> 46399

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 gacaaatatt ctggtgtgac atatgcagac ttatttcagt tggctggtgc tacagctgtg 120
 gaggaagctg gagggccaaa aatccctatg aaatatggaa gaggatgt atctggacct 180
 gaacaatgcc ctgaagaagg gagacttcca gatgctggtc cc 222

<210> 46400
 <211> 146
 <212> DNA
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<223> Clone ID: 701039668H1

<400> 46400

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 gcaagaggaa gaggggtacaa gtcagataaa tcttttgggc atttcaaggg aacaactcaa 120
 gcctaataaa gcaatatttg atgttg 146

<210> 46401
 <211> 138
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039669H1

<400> 46401

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 gcggcggcgc catcgagg 138

<210> 46402
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 <212> DNA

0053113 032200

<213> Glycine max

<223> Clone ID: 701039673H1

<400> 46402

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ccggaccacc tcttcaacct ccgcaacaac ttctacctcg gcgcttacca agccgccatc 120
aacagcagcg acgttgccaa cctc 144

<210> 46403

<211> 111

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<213> Glycine max

<223> Clone ID: 701039674H1

<400> 46403

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tggcgggtggc tgcgtccgac gccgacgaca tctgatccg tcaggtggtg c 111

<210> 46404

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701039675H1

<400> 46404

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cctcgttgat gaatcaatac gtgcacaaga agtttagtca gcaatataag gctaccattg 120
gggctgattc tgtcaccaaa gagcttcaga ttgatgacag acttgtcact ctacaaatat 180
gggacactgc tgggcaagag agattccaga gtctcggggt tgcattttac agaggtgccg 240
attgctgtg 249

<210> 46405

<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: 701039676H1

<400> 46405

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gcattctgcag cttgcagatc cacaagaag tataaatgtt tgattattat ttagagggt 120
ctatttagtt aaaattaaat agttattgtg cttttgtttt attagacagt tgtaaggcac 180
tgtgttctac atgtgtttgc agttgtctgc atgca 215

<210> 46406

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: 701039677H1

<400> 46406

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aggtgggtgga attattgctc aaatcataac ttatcctctt caaacggtaa acacgcgcca 120
gcaaactgag agaacactca agaggaacaa gca 153

<210> 46407

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 701039678H1

<400> 46407

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attgatgcat agttcaattt cacaatctga tatttttatt actgattacc ttgtacccca 120
tgaagttcca tttcaatttc aatttcaaga tatgagcaag aatgacaaca acatgccaat 180
gaaccatacc gataataacc ttcaaagcc tcaaatcaca tc 222

<210> 46408

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 701039641H1

<400> 46408

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 atagtgtatg caatggtgag ctttgaatgg aaagtggaga agttcttttg gttcttcttt 120
 gtcagcttct tctctttctt gtacttcaca 150

<210> 46409
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039679H1
 <400> 46409

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 tttgatcatt ccaatcttca atttttctat atatccatca atccgctgag tgcaaagtgc 120
 taatctttcg cctattgggt tctactctt tctctcttcg ttccgatcg atccaatttt 180
 cttcccatgg ctacgatcgg acacaacaat ctcaatgcca aattgggtct tctcggggac 240

<210> 46410
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039680H1
 <400> 46410

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 caaagtgagc tgccaacagg aaaaccagca cgctctgttt gggcagaaag tttctgactt 120
 gttcaaaggg catcaacata atga 144

<210> 46411
 <211> 111
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039681H1
 <400> 46411

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 tttgttggtt tttcagatgt tacagcggcc aaggcattgg aagagaagct g 111

<210> 46412
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039682H1

<400> 46412

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 tggcgaacga aacgctgtcg ttgcggcact cgcggcggtg gtgctactcg cggcgagtgt 120
 ggcggtggat gctcaggaga actcggacgt caagacgctg gtgaagtaca agcacgggaa 180
 gaagtactgc gacaaaggat gggaatgtaa gggctgggtca atttactggt gtaacctcac 240
 cattaccgat tatttccaga 260

<210> 46413
 <211> 144
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039683H1

<400> 46413

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 ttacattacc ctgaaccagt attgttcggt cctttttggt tttactcctg tgtgatatag 120
 ttctccatta ttcaaactgt gaag 144

<210> 46414
 <211> 144
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039685H1

<400> 46414

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 gtgccttatc aaaaggggtac ctgccctata gatgcactta agttgggtgt gtgtgccaat 120
 gtgttgaact tgggtcaatgt taaa 144

<210> 46415

002220"ETEE50

<211> 127
<212> DNA
<213> Glycine max

<223> Clone ID: 701039602H1

<400> 46415

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gcagcagcga gatctataag atcattgaag cgaaaaaata aaagctgtta tgcaaatgaa 120
tctaaag 127

<210> 46416
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039603H1

<400> 46416

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ttcttccagc ctgggcccac tcaggccgac aagcttgtgg aggacgctac ttccgaggcc 120
ctggacgagc ccgaatgggc cctcaatctc gatctctgcg acctcgtcaa caccgacaag 180
ctcaactgcg tcgaactcgt ccgcggaatc aagaagcgga tcatttctcaa gagccctagg 240
gttcagtacc tcgcccttg 259

<210> 46417
<211> 168
<212> DNA
<213> Glycine max

<223> Clone ID: 701039604H1

<400> 46417

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cccccttctg ctcttcttct acctttcaag ttttaaaagt ataaagatgg cagagacatt 120
cctatttacc tcagagtcgg tgaacgaggg acaccctgac aagctctg 168

<210> 46418
<211> 156
<212> DNA

<213> Glycine max

<223> Clone ID: 701039606H1

<400> 46418

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aggatgccgt acgacgccgt aatgcggtcg ccgagtatcg aaagaaactt ctccagcaca 120
aggaattgga atccagagtc cgatccgtca gggaga 156

<210> 46419

<211> 159

<212> DNA

<213> Glycine max

<223> Clone ID: 701039608H1

<400> 46419

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agcatacata tggtcacgct gatgatggta ctccgttact catcaagaac gcaatctgtg 120
tctttgaaca atatggcagc atcatgtggc gtcacaccg 159

<210> 46420

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 701039609H1

<400> 46420

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tcatgctttt gctttcaaata acccacggtt ggggagatga tgggcatgcc attgtttgta 120
agatagctca ggctcgccctc agcactgcag ctgca 155

<210> 46421

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 701039610H1

<400> 46421

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 gttttctcaa cagagagaga gagagagaat ctttcgaagt tcgtttgcgt gtgttggtgtg 120
 gtcagtcacc gatggcagca ccacctgcga gggca 155

<210> 46422
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039611H1

<400> 46422

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 agcgggctaaa ccctaaatca gaactttggt gtggtgtggt gacttaattg agtgtagaaa 180
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 aacttggtgca tcttggcg 258

<210> 46423
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039612H1

<400> 46423

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 gtttcacgat gttgctggaa cttgcacttg gtttgtttgt gttagctttg tttctgcact 120
 tgcgtccac accaagtgc aaacaaaaag cacttcgcca cctcccaaac cctccaagcc 180
 caaagcctcg tcttccctta atgggcaacc ttaacctcta aaa 223

<210> 46424
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039613H1

<400> 46424

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 atgggcgtcgt tcgatcagge acctcccggc gatgtcaa at cgggtgacaa aatcttcagg 120
 accaagtgcg ctcaagtcca caccgtcgaa aaaggtgccg gtcacaagca aggaccaat 180
 ctgaatggtt tgtttggaag gcaatctggc acaactcccg gatattccta ctcttcagct 240
 aacaaga 247

<210> 46425
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039615H1

<400> 46425

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 ccaccgtcac cgtttccatc aagtcattt cggaggatct gtacaaggaa gtgaagctaa 120
 agaatgtggt ggagaagttc aagaaagcct cggacatcga ccgcttccgc aaaaaaacg 180
 gcatctacga agacaccgtc cgccgcctcg ccggcgcccg acgcttccgg tggatccgcg 240
 acatcctcga gcaccagaag cagtactccg acatctccaa cgaggg 286

<210> 46426
 <211> 187
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039616H1

<400> 46426

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 ccacaccctc tgtgtgaggt gtggccgccc cagcttccac ctccagaaga gtcgttgctc 120
 tgcgtgcgct taccgctg cgccgaccag gaaatataac tggagcgtga aggccattna 180
 gagaaac 187

<210> 46427
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039617H1

<400> 46427

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gagaaaaatg tggatgtcaa agatgggtgag actgattcct cgttccctaa acctcttgtg 120
actgttaaca tcgagccgga gccgaatgtg gtgca 155

<210> 46428

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 701039618H1

<400> 46428

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tgccggcgga ctggcgctga tcccagactt cgccgccacc accattacat ccttcataag 120
gacagggctc cggacatctc caactttttg gctgatgctt ctcccagttc ccccgctcag 180
c 181

<210> 46429

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701039619H1

<400> 46429

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acggggtcct tctccaccga gtagcgacca gattaacaaa aaacgacggg aaactccgac 120
aaccatactg tccttgacc ccgacatcgt caccaccatc ttcgctttcc tcgacatggt 180
cgatctcgtt cgctgctccc tcgtttgtaa actctggaat gccatcgttg agtcccggtc 240
gctgcgagaa ttctgtgaga ggaagatgca cagtcttttg ctga 284

<210> 46430

<211> 111

<212> DNA

<213> Glycine max

<223> Clone ID: 701039620H1

<400> 46430

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cggcagctgg agctctaggt ttttgaaggt ggctagtgcg gctgccgcta c 111

<210> 46431

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701039621H1

<400> 46431

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ccacccatcc aacagctttt gttcttaaca agacaaagct tcgcgtgtgt ttgggtttct 120
tctcatcctt ccagcttgga aggattgaag tttctgtctt tttctgatct ccgtgtgcgt 180
ggtttggttt tgttggtgaa gatgttgga gctaataagct ttgatctatg gcgaaaggac 240
gcttttttct ctggggcgga aa 262

<210> 46432

<211> 154

<212> DNA

<213> Glycine max

<223> Clone ID: 701039623H1

<400> 46432

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tatagttttg aagagctatg catcaagaaa gaagccattg agggagaaga gaagttttgt 120
gcaaaatcct tgggaacagt aattggtttt gccca 154

<210> 46433

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 701039625H1

<400> 46433

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 catggcgaac tggcggacag gccgagcgt acgaggagat ggtggagttc atggagaagg 120
 tctccgcctc cgccgagagc gaggagctga ccgtggagga gcgtaacctc ctctccgtcg 180
 cctacaagaa cgtgatcggc gctcgcc 207

<210> 46434
 <211> 151
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039626H1
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 ataaactccc ttcgttgctg aacgcgggta aggttatgat ttatgaatgc gatctaatta 120
 aggcaaatg acaaggagac aagcaagttc c 151

<210> 46435
 <211> 118
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039627H1
 <400> 46435

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 tgccagccag tgtgctaagg agctacgaag aagaaaagaa gttgaagaac aattggca 118

<210> 46436
 <211> 215
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039628H1
 <400> 46436

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 atatagggat cttcagactc ataggcacat accatacagg gaaaacaaga accttacagg 120
 cacagcccg tatgcaagtg tcaacacca tcttgaatt gaacaaagca gaagggatga 180

002220-ETFE560

tctggaatct cttgggttatg tgctcatgta cttct

215

<210> 46437
<211> 119
<212> DNA
<213> Glycine max

<223> Clone ID: 701039629H1

<400> 46437

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gctccagcgg aggctgatcc ctgcgaaacc ggatgcttct gctgctgaag atgatgatg 119

<210> 46438
<211> 153
<212> DNA
<213> Glycine max

<223> Clone ID: 701039630H1

<400> 46438

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tcctcctccg cggctcctcg cgccgtaaata aca 153

<210> 46439
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701039601H1

<400> 46439

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agggatgcaa ctttgccgca gcagctgcaa ctatacttcc agccactgca tcatccctct 120

gccccctctc ctttgggggtt caggtgtctc agttcctccg attcaaagct cgggcccttg 180

aattgategc taaaggcagg aaatttgata agtacgtccc tgatgaaaat gtttttgaga 240

agggattgta catgtttgat attggccaga atgatcttgc tggagcatt 289

<210> 46440
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039631H1

<400> 46440

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 gccaaagagca aaatcctagt ccttgaggga acaggataca ttggaaaatt catagttaag 120
 gcaagcgcag aagcaggaca cccactttt gtcttagtta gagagagcac cctttctcat 180
 cctgaaaaat ctaaacttat tgagagcttc aagacctcg gagttactct tctttatggg 240
 gatct 245

<210> 46441
 <211> 154
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039633H1

<400> 46441

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 tgataagttg attgaggggtg agattcaatg agaagtttaa actgatgagt tgactgaggg 120
 tgagattcaa acttcattcg tgattccgaa gaag 154

<210> 46442
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039635H1

<400> 46442

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 gcgaaacacg cgatgctgct gtcaaagaat acacattgag attcgacaaa gctgaattgg 180
 ataacatcgt tgaacttgtc tccgaccttc ctgatccaca actcgatgag catgttaagg 240
 aagcttttga tgtcgcctac aacaatatat atgcctttca t 281

<210> 46443
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701039636H1

<400> 46443

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tgtcccaagc ttgagaggat tataaggacg catcttgagg atgtcttcga gaaggacagt 120
ggagtagctc ctggcatact tcgactcttc t 151

<210> 46444
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701039637H1

<400> 46444

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attttagaca catcatgggtg aacttggttt tgaggtagcc accatgattt taaaagatat 120
tcaaacatga ttttaaaaga tattcaaaca t 151

<210> 46445
<211> 150
<212> DNA
<213> Glycine max

<223> Clone ID: 701039638H1

<400> 46445

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aaacaaaaca gtaacaccac acagccatga cagacagggt gtacccatcg gccaaagccc 120
ccgcggttaa cggcgccgcc gccaaacctt 150

<210> 46446
<211> 267
<212> DNA
<213> Glycine max

<210> 46449
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039569H1

<400> 46449

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 acgaatacac ncaatctggc catcctccat taagatggct gcagaagact acacttttgg 120
 gccttacaag atacaccaca ctgaagtgtt ctactccacc aatctctctt acgccatggc 180
 taacctgcgt cctcttcttc ctggatcatg gctcatctgt ccaaagcgtg aagttaagcg 240
 ttctggatgat ctactgctg atgagacttc tgatttatgg ctca 284

<210> 46450
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039570H1

<400> 46450

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 attgtttcta tttcaaagat tcagcaaatt aaggagcaga aaaaagtcac atattttgtt 120
 gttgaattca tcaatatggc taagggaatc agaaaccta gttcgtggat ggaggttgcc 180
 ccggcaccaa taattttccc aacaaagcct tctaattcgc ctgctttgga gaccatcaca 240
 gaagaagttg ctgaggatga tgaagcttcc atg 273

<210> 46451
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039571H1

<400> 46451

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cgcaacaaca tgcctnattt tgtttgtttg ttttatccac cctcactctc actctcactc 120
 tcactcacac acagccacat agggacgaaa cgatacgatc catggcgatg atgatgcaca 180
 ctgcgcaccc tcacctcact aattaacact aatcgttact taaatcagtt aaaacgaggc 240
 atcagaataa gtgcaagtgc cagatctcga tctcgat 277

<210> 46452
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039572H1

<400> 46452
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 aatcaatgca tcaaccttta gtgcttggtc gaattgtgga gactttgtag tcccataccc 120
 actcagcact aacgaggact gtggagacaa taggtacaaa gtctactgca acgatggaaa 180
 tttagagtgc ttgtcagcaa cagggactta ctataagatc cttagaattg acccaagtgc 240
 taacaagctt gtcattagcc cacctcctat actgcaaaac a 281

<210> 46453
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039573H1

<400> 46453
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 aaatgaatcc cgagtatgat tatctgttca agctccttct tattggagac tctggtgttg 180
 gtaaatcatg ctttcttctg agatttgctg atgattcgta catcgagagc tacataagca 240
 ccattggagt tgatttttaa atacgtactg ttgagcag 278

<210> 46454
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039574H1

<400> 46454

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ggcagttggt gccagcgtct tggtcgtggt ctgggctgctc aatttcaggg gtggcttggc 120
ttgggattct gataacaagt ccctcatctt caacattcat ccagttctta ttgttattgg 180
cttactagtt catgggggtg aagctattat aagttacaaa gcttttcccc taaagaagga 240
agtgaagaaa ttgatacccc ttgttttcca tgccac 276

<210> 46455

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701039575H1

<400> 46455

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ccatggctgt gaaggataga atcctggtct tgggaccac aggagccatt ggaaggcaca 120
tagtttgggc aagtttaaag gcaggaatc ccacttttat attggttagg gacaccctg 180
cctctgttaa caagccaagg cttgtcactg ctgctaatac tgagaccagg gaagaactca 240
ttcagagctt ccaaaattct ggagttactc 270

<210> 46456

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: 701039576H1

<400> 46456

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tcccgtgaac catcgagtct ttgaacgcaa gttgcgcccg aagccattag gccgagggca 120
cgctgcctg ggtgtcaca 139

<210> 46457

<211> 142

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701039577H1
 <400> 46457

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 cgacatgacc atcgcgcggg caacctgccg gccgcacgt gatggagctc tatgccgacg 120
 tgactcccag caccgccgag aa 142

<210> 46458
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039578H1
 <400> 46458

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 atcataaaag atgtgtcaaa tgcaaatttt aggcacatta tactagagaa caatgagaac 120
 aaacctgtta ctaatagcag agacacacaa gagataatgt atagtaaagg tttggaaatg 180
 cttaaaatat tcaaaaacca tccgttgaag acatctttgc ttgatgactt tatatattat 240
 ga 242

<210> 46459
 <211> 152
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039579H1
 <400> 46459

agaatattga acgaggcagt gagcttcgtt gctttctgcg tgctcgacct tgacgatttt 60
 cttctatgtt ttgttttcaa agctgtggat ttgtgggttg acgcagagtt cagaccctgc 120
 tattgttcct cggcgaaggc accaataacg ag 152

<210> 46460
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039581H1

<400> 46460

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acaggctgct actgctactg ctataagtcg gagctgtggc agcagcagct cctgctcaac 120
tagcaatggg ggtgctactt gtaatagtaa cagtagtagt agtgtgtttg cgagtttggt 180
tgcttcttca acagcatctg tgacctaca atctcaaaca ccagcattca gtgacttgat 240
tagagccatg gggcctccgg aacaccctgc ggatcaaata tcgggtc 287

<210> 46461

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701039582H1

<400> 46461

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aagacccttc aactcttccc aatacaccac cccattttcc ctccaaagcc accactgaac 120
caccaagttt caacgcagag ccatgtcaac aatgtcctga aaggttcgtc ggggtatttg 180
tccgaaatca gcaaagtgat tgatcacgaa gaacagtacc gggtagcccg gtcgcaggtt 240
agccgtaaag ttttggactt ggaaggttat tccatagagg gtct 284

<210> 46462

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701039583H1

<400> 46462

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tttggttaaga gaaggaacaa gactcacact ctctgtgtga ggtgtggccg ccgcagcttc 120
catctccaga agagtcgttg cgccgcttgt gctttccccc ccgcacgcac taggaaatat 180
aactggagcg tcaaggcaat ccgcagaaa accaccggaa ctggcaggat gaggtacttg 240
acgtaacgtg cctcgccgat tcaagagtgg cttcagagaa ggtac 285

<210> 46463
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039584H1

<400> *46463

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 gtgaccaagg gaggtgctaa ttgatctca ccaactccac ttacacgatt cttctcgaaa 120
 tcttcttccc cctatgttgt gaaagttgga attccagagt ttctaaacgg gattgggaag 180
 ggggttgagt ccacggttcc taagcttgaa tccgaaatcg gtgatttcca gcaagttctc 240
 ctcaactcgca gcctcaaact caagaagctt ggc 273

<210> 46464
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039585H1

<400> 46464

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 atgggtctgc ctgctcaaat ccctccagcc ccaccgtatt cgctccgtcg tcgccggcag 180
 cagaaactcc ctgccatcg ctgacgacgg caaattgttc acttgggggtt ggaaccaaag 240
 ggccacactt gggcaccctg ctgagaccaa gtctgagaac 280

<210> 46465
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039587H1

<400> 46465

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 aagtctataa actttctcct acttctgtct ctactagcct ttgctccctt atgtcactgt 120

aaaaagcaaa taggaggtta cctctaccct caattctacg acggttcacg ccccagagct 180
 caagagattg tccaatccat cggtgccaag gcagtggcaa aagaaccccg catggctgct 240
 tcgttgctca gactacattt ccatgattgt tttgt 275

<210> 46466
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039589H1
 <400> 46466

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 acggaccaga attttttctc ctgcgctgaa tcaaaggcat tcgttaaaat tgctcaagaa 180
 attggcttta ctcatcaggg gagtctaggt ccaacttatg gcgaagattc agagataatg 240
 atcgaatgtt ggtggatg 258

<210> 46467
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039590H1
 <400> 46467

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 atcagctctg aaattggtgt tcaggcaacc gctgcaaagt gggtcaacct cttcacaaca 120
 caacttcac acgttcaaaa tcttactgat agaattcatg gaaccgagct gcatcatggg 180
 gaagactggc atcacaatga gtcgggtcaag cactggactt ataccataga tggcaagggt 240
 acaacttgca aggagagta 259

<210> 46468
 <211> 132
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039591H1

<400> 46468

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acagtttgaa gatgggcttc cctgactaca tccaaacatt ggaagacgaa cgccgtaaga 120
ttcaggtgtt ct 132

<210> 46469

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701039592H1

<400> 46469

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tggcagttgt tgccagcgtc ttggtcgtgg tctgggtcgt caatttcagg ggtggcttgg 120
cttgggattc tgataacaag tccctcatct tcaacattca tccagttctt attgttattg 180
gcttactagt tcatgggggt gaagctatta taagttacaa agcttttccc ctaa 234

<210> 46470

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 701039596H1

<400> 46470

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agtcaccatc cgaaccagga agtttatgac aaacaggctt ctctccagaa agcagttc 118

<210> 46471

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701039565H1

<400> 46471

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gaacgtgaag gcagaaacca tgtctctgat ggacaagcgc aggcacttgg aggctgagat 120

gaactccatc atcgcccgcc tctcgagcc aggcgctcct ggcctctccg gaaatctcgt 180
 cgattccgag gattctcgcc attccgatat cgacgtcccc gttgttcgag ccgaacgacg 240
 tcgcctggca gagctgcgca gcgaccacaa cgaagtaact g 281

<210> 46472
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039534H1
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 tttatcagga gaagctgaat tttccgggaa aatttgcggt gttttctctt ccttgcgacc 180
 ttcgccgccc gctgctactg attcgtcaac ggcaactcct acgaggtggt ttgcctgatt 240
 tgttgatcct gcggagaagg tgcttggaat agagggaagg gaaaagacag aggga 295

<210> 46473
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039536H1
 <400> 46473

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 tatttcttac attcaagaga aatatgcagg tggcaatgca ccgtcttttg tgaagaataa 120
 taacagcatc tcatcaaagc atcaattaat aaatgatata ttgaagatat gggttccatc 180
 aaatccaaga ggtgcagaaa gattacctcc tgagattatt gaagctgaga cggacttata 240
 tttgcgtaga ttgtggggtc agcccagtga ggatttaaca tcaaagc 287

<210> 46474
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039538H1

<400> 46474

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 tttgggggaa cctcaaccca atcccagaaa ccgaaatcgg cctcgcaatt taacgaaacc 120
 gaggaagaga aatcgtgggc acccttcaaa attcgagatt tccccgacaa aatgtcccaa 180
 ctgaagccaa tgtcgcatat agacagtgcc ccttcgaccc gaggggaagtt caag 234

<210> 46475

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701039539H1

<400> 46475

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 ctttcttgcc cttgcctctg cctgcgggac atgccctagc cctaagccaa ggcataataa 180
 gcactagcct gttaagccaa gtcgttcagg tggctcaggt gggtcgggtg gctcaagagg 240
 ctctgggtgt tcaggtggct ctggtggttc gggtggttca ggtgggtcgg 290

<210> 46476

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 701039540H1

<400> 46476

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 aacttaaatt tctgtttaaa agggctcttc aataaacttg tttatgtact ccctccgttt 120
 cataatatat gttgtgtaaa a 141

<210> 46477

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701039541H1

<400> 46477

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 tcaagatgaa agtggaaacgc ggctttcttt acaccatgcc acctattagt tggctctgata 120
 tatcttacta taaggaccag attctaccct tgatacaaaa gtacaaagtt gttcacttaa 180
 atagaactga tgctcggttg gccataatg gtcaaccgat agagattcag aagctgcgtt 240
 gccgggtcaa ttttagtggg ctgagattta cttcccagat agag 284

<210> 46478

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701039542H1

<400> 46478

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 tgactaagga agatagtaga atccataatt accaaattcc tgatgatgat tgctttgctc 180
 acttgagggt gcagttcaaa ttccatgggt tgtctaacaa agttgaaggg gttcttgga 240
 agacttatca gcgagatttt cagaaccctg caaatttggg agt 283

<210> 46479

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701039544H1

<400> 46479

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 cttcaaggct ggaaaacttt ctgttgagca aaggaaagaa aagatcaata gatacatgaa 120
 gaaaagaaat gaaag 135

<210> 46480

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 701039545H1

<400> 46480

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 cttccgctaa cggcggttaag atagcaaacg gggccatggc gaacgctcct cgacgctctg 120
 ctacgacgcc tcgttcatga aatggaccgt tgcggatgct gtccacgtgg cgacgcatca 180
 ttgggatgcc gtgcttattc gcattagggc ttctcttctt catggccgt 229

<210> 46481

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701039546H1

<400> 46481

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 gcatcaaaca tgtgtctaac aaggggtgaa tgaccttcaa atacgggaaa atggagaggc 120
 atatgaaagt caatcgcaag atgacttacc cagcagcact agtatacctg attctttgtc 180
 tattgagagg tcttgtactc cacctgcac c aatggaagtt tcacagcaaa agcactacgg 240
 ggaagaaatt taacatcggg gtgtgat 267

<210> 46482

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039547H1

<400> 46482

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 attcttctaa tggcccagtc cttcggtcag accgagatca actgggacaa gctagataaa 120
 actagattct atgtcgtagg agctggactc ttacaggtg ttccgggtggc actttatccc 180
 gtttctgttg tgaaaactag gctgcagggt gccacaaagg atgctgtaga gagaaatgtg 240
 ttttctgttg caaaaggact acttaaaaca gacggcat 278

<210> 46483
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039548H1

<400> 46483

tttgtataat gaggagtgt agcaacacac tcttcctaac acacacccta tcattgcttg 60
 aaatttattg aaaattacaa aatcatgaga gagggacatt aaagatgatg taggaccac 120
 tatcttttat aatttccaag aagaga 146

<210> 46484
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039549H1

<400> 46484

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 acttcttctc tcttctcctt ttgtttctgt gtggatctac acccactaag atgttaccac 120
 tattctgaaa atggaaaaca atcatagtgc agctggaaca caagatagtt ctatgatgaa 180
 gtctgttgat caaagagtac gttcanaagc gcgtaatgac ataatgactc gacgtctgaa 240
 gaatcgagag agacaacgaa gatatagggc acgtaagcgt ctagaagccg aaac 294

<210> 46485
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039550H1

<400> 46485

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 agtccttgga gaagatgtcg tagaagttgt tgtgagccct ccttttgtgt tcttctctgt 120
 tgtaaaaagt ttgctgcgcc ctgatttcca tgtttcggca caaaactggt gggttcgcaa 180
 aggtggtgct tataccggtg aggttagtgc tgaaatgctt gttaatttgg gaattccttg 240

ggttattatt ggtcactctg aacggaggca gcttttaaag gaacaaatg agt 293

<210> 46486
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701039551H1

<400> 46486

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tcttggtcgg agcaatattg ctgctttggt tcaattgctt acagctacct ctcccaggat 120
aaggagagaa acagttactg ttataagctc gcttgcagaa tccggtagct gcgaaaattg 180
gctagtttct gaaggagttc tgccacctct tataaggctt gttgaatctg gcagcacggt 240
ggggaaggaa aaggccacaa tatcccttca gaggttgctg atgtcagccg a 291

<210> 46487
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701039552H1

<400> 46487

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cgagcatgga aaaagagaag gggccaccct tttgacaggg ggcaaaagag tgggtaacaa 120
gggttactac attgagccaa caatcttctc taatgttaag gaggacatgc ttatagcaca 180
agatgaaata ttcggtcccg tgatagcact gatgaagttt aagacaattg aggaagcaat 240
tagaagtgct accaacagca gatatggcct agtagcaggt gttgtga 287

<210> 46488
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701039553H1

<400> 46488

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ggctggctga aaaagatgac tcctgtaaac agtgcatttg cttggcagtc atacaatgaa 120
 gaacctgcct catccagtca agctgattcc attgcagcat atgcactttg ggagcaggtc 180
 aacgtgaccc gcgattcttc agattatttg tggatatga cagatgtcaa cgtaaatgct 240
 aatgaaggat ttctaaagaa tggacaatct cctcttctaa ctgtaat 287

<210> 46489
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039554H1

<400> 46489

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 ccaacccaat ttcactcgtg gggtatctgc ttccctcaac ctagttttgc tacttatgct 120
 tgttggtgat tgggtatgga agaaagtgc agtggacaat agtgagaata gtgagagagg 180
 aggattccat aatagctgct ctcttgaaat acaaacacag tctggtttgt agcttagtta 240
 tttgtgtgtt caaccttttg tt 262

<210> 46490
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039555H1

<400> 46490

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 tatatcgaaa ggcaacttcg ttgaaagtgc tggagcaaag ggcagcacta gaggaagaga 180
 gagagatgaa gcaaatgggtt gggtccctcgt cttctccttc ctccacggac accatgtcct 240
 ttagcagccc acaggaagag caaaacatgc ccttgccatt gttgcaa 287

<210> 46491
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701039556H1

<400> 46491

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aaagagcgtg gtacaaatcc caattttggt gatagagggtt acttatcttt tgaacacatt 120
acctgggcac catatcagac caagttgatt gacctgaacc ttctatgtcc tgaggagata 180
gattggctga actcgtatca ctccacatgc agagatatcc tagcgccata tttgaatgaa 240
gttgaaaatg catggctgaa aaaagccact gaacccgtag gtgc 284

<210> 46492
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701039557H1

<400> 46492

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tttgatatcc ctgttgctgg ttctgacttc atggcttcag actctgggtgg tttcagttgg 120
gggccccaga gttacaactt caagggctct tcaaatatga gcttggaaat ggaatactca 180
ctggattcaa ctgtcatgga aaatggctct tcaaagcggg taaggactga atcatgtgca 240
tctggctcca ag 252

<210> 46493
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 701039559H1

<400> 46493

caagtcactt gtagcagctc togatgcagg cattggactg ggtacaccgt gccgtttgta 60
acaatttatt gattactgta aatccaagggt gtttactgtc tgtagtaacg tttatgtt 118

<210> 46494
<211> 132
<212> DNA
<213> Glycine max

<223> Clone ID: 701039561H1

<400> 46494

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ttcgattgaa catcgccgaa gaaggatttg acgtcgatga tgaaaatgaa attggtgaaa 120
acattactgc tt 132

<210> 46495

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 701039562H1

<400> 46495

gcgaaaccaa gacaaaagtg gcatccttgt tgttcgcttc aaattcaatg ttctacagag 60
gtaaatttgc cgatggtggt gatgggcgtg aaatggctgc aaaacgccag cgcactgttg 120
atccaggatc ttcattctat ggtgcttcc 149

<210> 46496

<211> 294

<212> DNA

<213> Glycine max

<223> Clone ID: 701039533H1

<400> 46496

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atacggcggt cctttctact ccgttgctg gattctccaa cacgttgta aatcgcgcca 120
aatcgaaacc gccgatgagt cctcggactc cgatcacagc acttcgccgg cgaccgaggc 180
ggagaaggaa cccgcgacgg tcgccggtta ctacctgctg ttcgccggcg ggacggagca 240
ggccacagcg gtatccccaa tgctttggtt attgcgcact tcgatgtcgc gtcg 294

<210> 46497

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 701039563H1

<400> 46497

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aacggatcga cgatgaagac gaccttctga tccgtcaagt ggtgccggat gcggaggacc 120
accacctgct caacgcggag ac 142

<210> 46498

<211> 62

<212> DNA

<213> Glycine max

<223> Clone ID: 701039486H1

<400> 46498

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tt 62

<210> 46499

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039487H1

<400> 46499

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cttgcgccct aagaggaaga aggtttgggt ggactatttt gttcagtttc gatggatcct 120
tgttattttt gtcgtccttc ccatctcctt caccatttat ttccttacat accttgggga 180
tgtaagatcc gagtgggaagt cctataagac gcgtcagaag gaacatgatg agaatgtgaa 240
gaaggttatc aaacgtctca aacaga 266

<210> 46500

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039488H1

<400> 46500

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ccgccacctc cagcaggagg gtttcgatgt cacttatctt cccgttgagt ccgacgggtt 120
gattgatttg gatgagcttc gggcttcgat taggcctgac accgggctcg tttcggttat 180
ggcggatgaac aatgaaattg gagtggttca gcccatggag gaaattggga ggatttgcaa 240
ggagtttaat gtgcctttcc acactg 266

<210> 46501
<211> 79
<212> DNA
<213> Glycine max
<223> Clone ID: 701039489H1
<400> 46501

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aaagctcaa gtcttaaat 79

<210> 46502
<211> 260
<212> DNA
<213> Glycine max
<223> Clone ID: 701039492H1
<400> 46502

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aaacccccat ttcttttctt ctttcttctt ctctttcgct tcttcgatct tcgatcttcg 120
tcgctgaaaa tgagagagtg catttcaatc cacatcggcc aggccgggat tcaggttgga 180
aacgctgct gggagcttta ctgcctcgaa cacggcattc agcctgatgg gcagatgcca 240
agtgacaaga ccgttggtgg 260

<210> 46503
<211> 259
<212> DNA
<213> Glycine max
<223> Clone ID: 701039493H1
<400> 46503

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atacatgatg cttgttgccct ctctttttgt ttcgtctttg gatttattag gcttttgatta 120
 ttcttatgtg aattaacttc ataagaacaa ttttgtccat aaaagaagaa agttgtaaca 180
 gctaacaagt tcagtggaga acccaaaagc gtgtatttat gggttagcgt ttgcgaattt 240
 gattttgggt gaagaattg 259

<210> 46504
 <211> 78
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039494H1

<400> 46504

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 atctctgaac cctaattt 78

<210> 46505
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039495H1

<400> 46505

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 agcaaaatat gttatttctt ccctacacct ccataccac tgtttttctt ctatttctcc 120
 cccttccctt gctttctgct gcctttccac atctcaacct tccttctcat ctcataatcg 180
 taatggtaat gatatccctc ttcttttatt ttttctttca ctaaacaatat aggtttctgc 240
 atgctctctc tattatgtgg ga 262

<210> 46506
 <211> 301
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039502H1

<400> 46506

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atgtctagct gtgggtgtgg aagcagctgc aactgtggca gcaactgcgg ttgcaacaag 120
tactcttttg acttgagtta cgttgagaag acaaccacag agactctagt tttgggtgtt 180
gggcctgtga aggccaattg gaggggtgctg aaatgggtgt tgcattctgag aacgggtggct 240
gcaactgtgg atcaagctgc acctgtgacc catgcaactg caagtaaggt caagatgtat 300
a 301

<210> 46507
<211> 307
<212> DNA
<213> Glycine max

<223> Clone ID: 701039503H1

<400> 46507

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gacctattaa ttagcatttg acagagagac accgagtata aacatacccc agtttaagat 120
ggcttcaaaa acttgttcct cccttgccct tttcttcaca ctcaacctca tctttcttct 180
cacttgtttc tgcattgagg tatacaccat gccctgggtcc aaacccaaag ccaaggccca 240
accccaaccc taaccctaac cctagcccaa gtgggtccta gcccgtgat gcaactcaaac 300
taggtgt 307

<210> 46508
<211> 299
<212> DNA
<213> Glycine max

<223> Clone ID: 701039504H1

<400> 46508

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attcttggga attcttaact gtgaagcaca atatttcaat gctaaccat acgactattt 120
acaactagcc ttaagggtggc ctaattccta ttgcttgaca catgaagggtg gttgcaggga 180
aatagtacca caatatttca ctattagcta cttcatccc atgagaagag gagggccgga 240
tctgcaaaat tgccctcac catttaatat gccaaatagc actgttagta tatctctg 299

0953113-03200

<210> 46509
<211> 299
<212> DNA
<213> Glycine max

<223> Clone ID: 701039507H1

<400> 46509

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cacataagga agaggctgct cacagagaga ccggctagga cccttttggg gtggaaggat 120
aagaatcaag ttgaggatga ttcaccaata tttaggaaca aagagatgct agtggtcagt 180
tgatgtaggc gcatcaatta caggtaccgg catttgatgt tgaatttggt cacacttttg 240
cctcattgta agaaggataa caaagttgaa tcaaaggaca ctaaaggagt catcctcaa 299

<210> 46510
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039510H1

<400> 46510

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agctaggggt tgtccgtgtg gcagaatggg aaggtatcga agccggagca ggagctatag 120
ccccggcg cgaacacgga gccaccggc accgcgcgga cggaaccgct atgtcgacga 180
tcgctacggt gacagcaggt cttacagaga ccgccgtca cctcttctt cgggcttgct 240
tgttcgcaat cttccccttg atgccagg 268

<210> 46511
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 701039512H1

<400> 46511

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cttccaatgc tgacacgtgc tcattattct cctccgacca tttccgaatg ttccagttca 120
aggtgcggaa ctgtccacgt gtcaggtccc acga 154

<210> 46512
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039513H1

<400> 46512

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 tcattccttt tttttccggg ttatagaatt gaaaagattt cattgataat tgagcaaaca 120
 caatgagtgc tccacctcat catgatgatg acgacgacaa cgaagaagtt ttccttgatg 180
 agtctgacat catccatgaa gttgccatgg ataatgaaga tcttctgac gctgatg 237

<210> 46513
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039515H1

<400> 46513

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 tgcttgtttt ttctctcacc tcgaaaatgt cttgctgcgg tggttaactgt ggttgcgga 120
 gctcctgcaa gtgcggcaac ggctgcggag gctgcaagat gtaccagac ttgagctaca 180
 ctgagtcaac caccaccgag accttggtca tgggagtggc acctgttaag gctcaatttg 240
 aggggtgctga aatgggtgtg cccgctgaga acgatggctg caaatcccc 290

<210> 46514
 <211> 154
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039516H1

<400> 46514

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 ggtgggcaaa ccaatagaaa tgccttctg tggtgtgatc ttcgaacaag cgtgagctca 120
 aacacacaac aacacctgct tctggttcag acaa 154

<210> 46515
 <211> 298
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039518H1

<400> 46515

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 gaggttgctg agcgtggctc cttctctggg aaggactacc aggaccctcc accagcacca 120
 ctcatgatg ctgaggagct cacaaagtgg tccttttaca gggctctcat tgctgaattc 180
 attgccactt tgctcttcct ctacattact gtgctcacag tcatagggta caagcaccag 240
 actgacctca aggaaaatgg tgaaatctgt ggtgggggtg gcattcttgg cattgcat 298

<210> 46516
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039519H1

<400> 46516

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 aagttcaatt attttaaggt gttgtctgtg tgtggtttta gtttcgggtat ctgtgttggt 180
 ttcgtttcgt gttcctgtgg ttttcgtttt tgacctacaa ttctagttgt gtttatagtc 240
 gatcgaatga aatgatagta agaaattatc gcatcaaatt tctatgg 287

<210> 46517
 <211> 300
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039520H1

<400> 46517

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gctcgcttct tgcttctctc atcaacaaca tgcagatctt cgtcaagact ttgaccggca 180
agaccatcac cctcgatgtc gagagcagcg acaccatcga caacgtcaag gccaatgatcc 240
aggacaagga aggtatccct cctgaccagc agaggttgat ttttgctggg aagcagctgg 300

<210> 46518
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701039523H1

<400> 46518

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ctagcaatgt tctgctggat gaggagtttg gagcacagct tatgggtggt ggtctgtcca 120
agtttgtgcc atatgaggta atgcacgaga ggactgtgat ggcaggtgga acttatggat 180
atcttgcccc ggagtttgtg tacagaaatg agctcacaac aaagagtgat gtgtatagtt 240
ttgggtgtgct actacttgaa attgtaagtg gacgtagacc tgcacaggca gtg 293

<210> 46519
<211> 141
<212> DNA
<213> Glycine max

<223> Clone ID: 701039527H1

<400> 46519

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cgcaatggcg gttgttgctc aaaccctga catcgccggc gagcggcagt cgggccaata 120
cgttcgacc caaacggtt t 141

<210> 46520
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701039528H1

<400> 46520

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gagaaggtaa caagaacagt taggcaattt tcaccacatt tagctgcaa aatgagacct 120
cctctcacgc ctgttattcg tggacgtcca tcatccaaga gagcaattta tatatgtggc 180
cggccgcggt gggtatttgt cttgatattt ccttctgcaa gtttctttct ttggtt 236

<210> 46521
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701039529H1

<400> 46521

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aacgaactgt catttggtatg ggaaagaggc aagaaactgt agaggatgtc ccctgtggta 120
atacagtggc tatggttggc cttgaccagt tcatcacaaa gaatgcaaca ttgacaaatg 180
agaaggaagt cgatgcccac cctatccgag ctatgaagtt ttctgtctca cctgttggtc 240
gtgttgctg 249

<210> 46522
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039485H1

<400> 46522

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aaaatgtaat tgccatgtgt ttggcaatac aaatatccaa ataatgtaat cttcgtatga 120
ataaatgtgt gtgctgttat cctacttcag gtctgtgtag tcatgcagtc tgaatcattt 180
caagttcctg tcttagttaa tataacagcc atggttgtgg cattctatgg tttattagac 240
taaaataagt gtaaactctcc gtcc 264

<210> 46523
<211> 197
<212> DNA
<213> Glycine max

<223> Clone ID: 701039530H1

<400> 46523
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 ctgggtcgaa taagcatccg cagaaaccaa gtgatgtcca tggacggaag ccacgaccaa 120
 gagatggaag acctggagct tttccagaag cacatcggag accgcttctc ggagctctta 180
 tcctccacct ccgaaga 197

<210> 46524
 <211> 140
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039532H1

<400> 46524
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 agttgtatat tctgggactg gtctgataaa taatacttca cctgacaacc caatagccaa 120
 caggcccaac actgtctcta 140

<210> 46525
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039450H1

<400> 46525
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 tgcttctgtg gagggagtag aagcaaaact gtggcaggta cctgaaacat tgctgaaga 180
 agtccttgct aagttgggag cacctccaaa gagtgatgtt ccaattatta ctcccaatga 240
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<210> 46526
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039451H1

<400> 46526

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 caattcaacc cacttcatct caggtgtttg aagttgagat aaaaatgagc ggaacagaga 180
 aagcaggatc aggaaccacc aaaacccccg ccgatttcct caaatccatt cgtgggagggc 240
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<210> 46527

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039455H1

<400> 46527

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 cctccattga agtggctggt gttgacatct ccaaatcccc gattgcagca tggaacagtg 180
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<210> 46528

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701039456H1

<400> 46528

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 cgggggtcttt gcagtccgtg gaagagcttg ttgggttatc tcagctttca cctttccagg 180
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<210> 46529
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039458H1

<400> 46529

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 aaagtgtgtg cctgaatagc tcaaaattga aagagcgcaa ctacatgggg ttatctgatt 180
 gttcatctgt ggacagctcc ggcgcgtcct tctcagatga gactatcact aatctgaacc 240
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<210> 46530
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039459H1

<400> 46530

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 tcgatgtggg cagcttcttg cctggcgctca tgctgcgcg cctgcgcatg cgacgcctgc 180
 aggaccgtcg tatcggaat cagccgccgt tccgccagga tcgcctactg cggcctcgtc 240
 gccttctctc tcgtcgctgc ctg 263

<210> 46531
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039462H1

<400> 46531

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 aacattcatt cacattcata tcctctctct ccgatcccaa tggcggatga gagccccaaa 120
 ccagagacct tcgaactcaa caatggaagc atgcaggtcc tcctcaccaa tctcggctgc 180

accatcatct ccttatccgt acctggaaaa gatggtgtgt tatctgtcgt tgttcttggc 240
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<210> 46532
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 <223> Clone ID: 701039463H1
 <400> 46532

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 gatctacaac aaactcatgg acttcattcg gaatcagtag agagacaggg gctatcaaga 180
 ggtcatatct cccaatgtat ttaacatgga actgtgggtg caatctgggc atgctgcaaa 240
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<210> 46533
 <211> 142
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039464H1
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 cagatcaacg ccggttccgc ca 142

<210> 46534
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039465H1
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gggtcttctt gactattgga gaagtattga ctgcaagctg gatttctgaa ttgctacgga 180
 ttgaaccgag tgttgtacct ctgtctttgt taatagaact cgtgtgtgga aataagatct 240
 tagcttttca tggctgggtt gaattggaat gttgtaa 277

<210> 46535
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039466H1
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 caccgtcaaa gggtcttcat ttgagaaatt tgccgtggga gtgtacagag gaggaactag 180
 ttgagcttgg gaagccattg ggaaattgtg aacacaaagt gcacgttgga gcaaactgta 240
 atcagcttta tggtttgcag ttt 263

<210> 46536
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039467H1
 <400> 46536

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 ctcatcaagc ctttcaaatt cagccccagc aaagagggac aaagcgaagt agaagaaata 180
 aagaacctag ctgcacaaga gcaaaagatc ttcccctacg aaacattggt tgctgctacc 240
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<210> 46537
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039468H1

<400> 46537

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cgcaagaaga cggcgggtggc cgtgacctac tgcaagctcg ggcgcggcct catcaagatc 180
aacggctgcc ccatcgagct cgtcgagccg gagatcgctc gctttaaggc ctcgagccc 240
atcctcctgt tgggaaacag ccgcttcgcc gg 272

<210> 46538

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701039470H1

<400> 46538

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aagaaagtgg tgatcctagg aggtggtgtt gccggtgccca accttgcaaa aactatacaa 120
catcaagcca acgtcacctt tattgatccg aaggaatatt ttgagattcc atgggcaagt 180
ttgacgggat tggttgagcc aacttttgct gaaaggatag taatcaacca tagagagtac 240
ttcaaaaagg gtaaccttgt tgtatcc 267

<210> 46539

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 701039471H1

<400> 46539

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<210> 46540

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039473H1

<400> 46540

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agctgtttgg ccaaactc ccattcccac tgcactgca gagcttctaa agcctctccc 180
tgcagggtgtt gaaatcgatg aactccctaa gcaaattgat gatacacagt acccaaaaac 240
attcttctat aaagaagacc ttcac 266
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<210> 46541

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701039474H1

<400> 46541

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tgtaagggtt ggtcaattta ctggtgtaac ctcaccatta cggattattt ccagacctac 180
cagttcgaga atctgttctc caagcggaac tcgccggtcg cgcacgcggt cggattttgg 240
gactaccagt cttcatcgc cg 262
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<210> 46542

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701039475H1

<400> 46542

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ttcgtctctt ccaaatttcg actctttcga tcagatccgc gacacccacc ccacaaaac 120
cttgcgcaac ccatccatga cgcttggtc aggaggatcc agtgctgttg ttctaggaa 180
cttcagattg ctggaggagc ttgaacgtgg tgaaaaagga attggagatg gcacagttag 240
ctatggaatg gatgatggtg atg 263
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<210> 46543
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 <212> DNA
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<223> Clone ID: 701039477H1

<400> 46543

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 gtgcgccatt tgtatgtctc agcctcccga ggctcctcct tctgggtccc ctcaattcaa 180
 ggacttcacg ttgcgctgtc ttcagcgcgga tccctctcgc cgctgggtctg cttccagggt 240
 gctcgaacac cccttc 256

<210> 46544
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 <212> DNA
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<223> Clone ID: 701039478H1

<400> 46544

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 tcccataacg ccatcgaatt atgcagccct tgagggcatt ttgtattgca agcaccactt 180
 ctcccagctt tttaaggaga aaggagagcta taatcatctt actaagtctg catcagtcaa 240
 acgggcagcc gcagccacag 260

<210> 46545
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 <212> DNA
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<223> Clone ID: 701039479H1

<400> 46545

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 cctcccactc caacttctcc gaatccaccg aaccggttct caacctcacc tgcaccgctt 120
 gctccaaacc ctgccgatcc aaaaccgaga gtgatttgca cacgaaaaga accggccata 180

ccgagttcgt tgacaagact tccgaggccg ttaaaccgat tagtttggag gctccgaagt 240
 ggatgcaact gcttcac 258

<210> 46546
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039480H1

<400> 46546

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 cgtgatgagc aaatcaccca acaagcaca cgtctgtac atggaagcaa gaccattgga 180
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<210> 46547
 <211> 275
 <212> DNA
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<223> Clone ID: 701039482H1

<400> 46547

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 tcccacagag gaagcaaagg gggatgacac ttacctctca gctttgacac tatgcttcag 180
 ccgaattttc cctgcaatct tgaacgctgc tggtgatctg aatttggttg atatcatagc 240
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<210> 46548
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039483H1

<400> 46548

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 tcccacagag gaagcaaagg gggatgacac ttacctctca gctttgacac tatgcttcag 180
 ccgaattttc cctgcaatct tgaacgctgc tgttgatctg aatttgtttg atatcatagc 240
 caaggcagag agttcatctt tgtcagcctc*g 271

<210> 46549
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039448H1

<400> 46549

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 ctccctgaga actaccagat gaagtactac ctctatcaca tctctcctg gccccagctc 180
 ctctacgtcg ccgaagacta caacggccgc atcgtcggct acgtcctcgc caagatggag 240
 gaagaaacca ccgactgcca c 261

<210> 46550
 <211> 80
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039484H1

<400> 46550

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 agagagagag agagactctc 80

<210> 46551
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039413H1

<400> 46551

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tgaacttgca agtcgaaagg agcaagtagt ggttgctact agtgccgaga aggttaccgt 120
tcagcgtgat aatagtcagt ctgataatga tgttgagaat cccctgatta aacttctttc 180
ggagaaacat gccacttaca ttgagtgatt ctggtagatg agtctaggga atgacttttg 240
cttctcctcg ttacagttac agttc 265

<210> 46552
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039414H1

<400> 46552

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gcaacacccat tgagagattg aggaactctc ttagcaagct tttggtgtac tactatccat 180
tcgctggcag attcagcttg acaaaaagtg gtcgcataga agtggattgt aacgcaaagg 240
gagtgcatt gattgaagct aa 262

<210> 46553
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039415H1

<400> 46553

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aatgggacaa tttcttggca aaaaggctta tgacaaggca gctatcaaata gcaacggaag 180
ggaagcagtg accaactttg agccaagtac ttatgaagga gagctgaaat ctgcagccat 240
taatgaagga ggcagtcaga atct 264

<210> 46554
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<212> DNA
 <213> Glycine max

 <223> Clone ID: 701039418H1

 <400> 46554

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 gattgtggga cttggaaa 138

<210> 46555
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039420H1

 <400> 46555

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 aacagcagca gcagtgggcg gcggcg 266

<210> 46556
 <211> 268
 <212> DNA
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 <223> Clone ID: 701039422H1

 <400> 46556

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<210> 46557
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039423H1

<400> 46557

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<210> 46558
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 <212> DNA
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<223> Clone ID: 701039424H1

<400> 46558

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 aagggtggaa tagttgacat taatgctgct gcaagaatcg ttcttcatga ttggaatgaa 180
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 aagatagttt ctgagttttc aaaggagttt a 271

<210> 46559
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039425H1

<400> 46559

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tgaatggggg gaagatgaag caggatgtga tgaaacatgg caagaccctg ttggagttag 240
accgaaacaa ggacctgcaa ccaacttta 269

<210> 46560
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039426H1

<400> 46560

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ccggatccac cggtttcgcc accaaacgtt tccttactca ccacagaaac accgggtgagg 180
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ctcagacaca tcacagtgcac ggggtctt 268

<210> 46561
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039427H1

<400> 46561

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acggtatcaa gttgaacgat gcgattctcg ccgaggataa acacaaacct atgtatgaag 180
aattggctaa caatcctaata gtggagtaca ttgctggagg tgctactcag aattcaatca 240
gggttgctca gtggatgctt caagc 265

<210> 46562
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039428H1

<400> 46562

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 tcagtctctc ccaatccata tgcagtttcc aaccccaatc attccccacc caacgaagga 180
 cgtccagga aacaatagc caaataagca ttgtcttaat gttccttcaa gagattcgag 240
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<210> 46563
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039429H1

<400> 46563

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 tattcctatg tataaaagat cgctcattct gcacctatcc ttgaagctta ggtagaata 180
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 aatcatattt aaatttttaa acaa 264

<210> 46564
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039430H1

<400> 46564

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 tgatcaagg t aaccgtatca ccccatcgtg ggttgctttc accgacagtc agagactaat 180
 tggagacgct gccataatc tggcagctgt caaccagaa aggaccatca ttgatgtcaa 240
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<210> 46565
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<212> DNA
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<223> Clone ID: 701039431H1

<400> 46565

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 gattgctttg gtggagctgc tgcaaagcct cgcgacatg gatataacat tccaagggtt 180
 aaaggagact gacatcgga ggcacgtgaa tcggttacgg aagcatcctt caaacgacct 240
 tcggcgattg gtgaagttgc ttgtc 265

<210> 46566
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039432H1

<400> 46566

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 aacatacaca tatatgaaaa ggatcagggt tgagcctgtg acatttggct ttatgtgcac 180
 cccaaagcta ggagaaagag acttcaaact aggtcgtccc caggcattga taagcaagca 240
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<210> 46567
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039434H1

<400> 46567

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<210> 46568
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 <212> DNA
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<223> Clone ID: 701039435H1

<400> 46568

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 gggtttgggtg gttctgtaca acactcttca tcaaacagga gggattatga tgatggtggg 180
 tcaccaaaga ggaacctcag tttggatggt ttacctcatt ttgagaaaag cttctacatt 240
 gagtcaccag ctgtaagggc aatgacaggt gct 273

<210> 46569
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039436H1

<400> 46569

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 tacgcatttc atgt 134

<210> 46570
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<223> Clone ID: 701039437H1

<400> 46570

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 aaggaagttg gtcaggacag aggagctctc gttgagttct atgctccttg gtgtggacac 180
 tgcaaaaagc ttgctccaga atatgaaaag cttggtagca gtttcaagaa agccagatct 240

0953113.03200

gttttaattg gcaaggttga ctgtgatg

268

<210> 46571

<211> 77

<212> DNA

<213> Glycine max

<223> Clone ID: 701039439H1

<400> 46571

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tcaaatacata tcattttg 77

<210> 46572

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039440H1

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gacaatgggt gaaactaagg acgaagcata cgaggaagag cttctcgatt acgaggagga 180

agacgacaag gccccgact ccgccggagc taaagtcaac ggcgaagcta ccaagaaggg 240

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<223> Clone ID: 701039442H1 .

<400> 46573

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gttgtggcca ttgccccagc aaagaaccct ttttgcgtga agggctcgtgt ctactgtgac 180

ccttgccgtg ctggttttga gacctcagct accacctaca ttgctggtgc tgagattatg 240

ttgcaatgca agagcagggg tagcaa

266

<210> 46574

<211> 77

<212> DNA

<213> Glycine max

<223> Clone ID: 701039446H1

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<223> Clone ID: 701039447H1

<400> 46575

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ttcctccacc tatggagcac taatgctgga caaggagaag gagcaacttc aacttcaacc 180

caccgtcgaa gaagaatcca aaacatcccc tcttcggatt cgccaagatc ccgaagtcac 240

caacgcttgg gaactcatgg agg 263

<210> 46576

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701039412H1

<400> 46576

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gtattatccc ttttggtggt tgctctccc atcaagactt tttgtagagt ggtaaagaag 180

aatcaacag agaattacaa gggagctcca tatataacga cgttcttgtg cacaagtttg 240

tggacttctt atggagttct

260

<210> 46577
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 701039375H1

<400> 46577

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attccttctg ttgggttagg cacttgcaa gctgagcctg gtgttgtagc caaagctgtc 180
accacagcca ttctggttgg atacaggcat attgattgtg ctcaagcgta taa 233

<210> 46578
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<223> Clone ID: 701039376H1

<400> 46578

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ctcttgatt ttgtacttgg tcaactcgaa ataaagtata taggccaggg tctaaatttc 180
ttttaattct tgtatcttaa aaaccattat tttgataatc tatataaact aa 232

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<212> DNA
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<223> Clone ID: 701039377H1

<400> 46579

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ctcgaagaaa actgggaagg gaaagagacc cggaaaggt gggaaccgct tttggaaatc 180

cattgggctt ggatttaaga ctcccagga agccatcgaa ggaacctaca ttgacaa 237

<210> 46580
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701039378H1

<400> 46580

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cccagggttc actccattgt tctgaagtc gtcaggaacg tttcaaagaa agatccccgt 180
atgcttgctc agtctcatta gacttcactt tcatgactgc tttgttcaag gatgtgat 238

<210> 46581
<211> 122
<212> DNA
<213> Glycine max

<223> Clone ID: 701039379H1

<400> 46581

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ccagatggag ggaagctcgt ggagcttgtg gtgacggatt ttgagaggga tttgaagaag 120
gg 122

<210> 46582
<211> 76
<212> DNA
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<223> Clone ID: 701039380H1

<400> 46582

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cgtcacaaa gctccc 76

<210> 46583
<211> 236

<212> DNA
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 <223> Clone ID: 701039383H1

 <400> 46583

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 tccgttaaca ctgctgctgc tacccttcgc gtcattgggtc ctgcacagac tcaggggatt 180
 tcgatttcaa agacgatgca gtttagagagt tctattcaaa cccctgggtc gaggat 236

<210> 46584
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 <212> DNA
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 <223> Clone ID: 701039384H1

 <400> 46584

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 <223> Clone ID: 701039387H1

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 agggacaccc tgataagctc tgcgacaaaa tctccgatgc tgtcctcgac gcttgccctcg 180
 aacaggaccc agacagcaag gttgcctgcg aaacatgcac caagaccaac tt 232

<210> 46586
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<223> Clone ID: 701039388H1

<400> 46586

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tacctgaaag aagcactgaa tgtgttcaat gaaatgcagg aggtgggatg tgagcctgat 180
cgtgtcacat actgtacact cattgatatc catgctaaag ctggatttat tgat 234

<210> 46587

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039389H1

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tgctgagaaa aaaacagaat tagatgagtt ggtaaacag aaattgaggt tggaggaatc 180
acttagagaa tctgaggaga aagtgactgg tttggagtcc agtattcttc aattg 235

<210> 46588

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701039390H1

<400> 46588

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catccaaaag ggcgtgttac taaccgctcc gccctcgtct ttcgaggata tgatactctc 120
ttttaaacac tctctttcta tcgcgctctc tcactttccg gctcttgagg gaagggtaga 180
gacagattct catggttatg ttaatatgt ctgtaacgac gctggcgtgg attt 234

<210> 46589

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 701039392H1

<400> 46589

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atagtgtgtg tgggtgtgta gaggggtgat agtgttgact gttgaaaaaa ccttgatatga 180
gaagaaagag gcatttttag ttgacatgct gtagcatttt gatggagttt act 233

<210> 46590

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701039393H1

<400> 46590

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gcgatctcct cttctcctgc gccaaaggacc acaaccctac cgtctggttt gccgacaacg 120
gcgaacgctt gggcacttat cgcgggccaca acggcgccgt ttggacctgc gacgtctcaa 180
gagattcggc tcgactcatc acgggaagtg ccgatcagac cgcccagcta tgggac 236

<210> 46591

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701039394H1

<400> 46591

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agatactttg ttcacatttc acggtcgtcg cgtgttatgt gatgataaag gaagtcccat 180
cgtcactcta tacaagaaga atgtgacatt gcacgggcaa tgcaaagttt tcagggg 237

<210> 46592

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701039395H1

<400> 46592

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tatttggtgt tcaacatttc aattttgtca tcggtgttct ctgaacatgg agcagagatt 180
tcaatgggtc tcaactcaaa agaacctctt gctgtagtga aggaggagat gcacgtttat 240
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<210> 46593

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039396H1

<400> 46593

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caactctgat tttcgtgttc gctggtgttg gttcagccat cgcttacaac gagcttaca 180
aagatgcagc cttggatcca acggggctgg tggcagtagc tgtggcccat gcatt 235

<210> 46594

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039402H1

<400> 46594

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ttaacgttgt tgttggtgtt tgtttcttct tttccggcgt tgagctacgg agttgttcct 180
cctcgactc tgctcaataa gctgtctcag ggcagttatc tcaccactca ggagcaatgg 240
ttcaatcaaa cctcgatca gttctctccc tatgatca 278

<210> 46595
<211> 274
<212> DNA
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<223> Clone ID: 701039404H1

<400> 46595

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gtcaaacttg cagaaagagc tgaaccgata catt 274

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<223> Clone ID: 701039405H1

<400> 46596

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gctttcaatt atagccctgg gactcacaat gtggtggccg tgaacaaggc tggatatgat 240
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<223> Clone ID: 701039406H1

<400> 46597

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tatctggagt tattggcact atgacttact atgtagtgag gtctaagaga agcagatcaa 240
 tgaggaagaa ggagaagcaa gctgccagga 270

<210> 46598
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 <212> DNA
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<223> Clone ID: 701039407H1

<400> 46598

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 gaccatcaag aagagagcaa gtggacctaa gtgccctgtc actggcaaga ggatccaagg 180
 gattccacac ttgagacctg ctgaatacaa gaggtctaga ttgcctcgga accgcagacc 240
 gtaaaccggc ctacggaggt gttttatc 268

<210> 46599
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 <212> DNA
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<223> Clone ID: 701039408H1

<400> 46599

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 aaggaagttg gtcaggacag aggagctctc gttgagttct atgctccttg gtgtggac 178

<210> 46600
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039409H1

<400> 46600

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aacccatgct gctttacccc ctgaagtta ctggaagtcg gtgcttccta ctacgccaat 180
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<210> 46601
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039374H1

<400> 46601

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 agctctatgc cgacgtgact cccagcacgc ccgagaactt ccgcgcgctc tgcaccggcg 180
 agaagggcgc cgggaggagc ggcaagcccc tccactacaa aggctcgtcc ttccac 236

<210> 46602
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039410H1

<400> 46602

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 tgaaaaaaat gaggtaattg ttgctgaca 269

<210> 46603
 <211> 81
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039332H1

<400> 46603

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 cgtcctggcc ctcgacaatg c 81

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 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039333H1

<400> 46604

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 gaaaggtct ccgtcacat cgacatctac aaccaaggaa cctcgacggc ctatgatgta 180
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 aagt 244

<210> 46605
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039334H1

<400> 46605

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 ggactgaaat cgaagtcgaa gcaagcaatg ggcaacgctc agtcaccttc caacaatgat 180
 cctcgatatg tttcagcaac cagagctttt actcaaaagg aacttgaaga cttgaggtc 239

<210> 46606
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 <212> DNA
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<223> Clone ID: 701039335H1

<400> 46606

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 cttgcatact tacatgagct tgccaaccct cccataatcc acagagacgt gaagtcgact 180
 gctatattgt tggatgaaaa ttgacagca aaggttgcag attttggctt gtccaa 236

<210> 46607
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039336H1
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 ttcgaggttt ttaacttcac tgggtgaagg ggtgtttcat tggctatgta caatactgat 180
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<210> 46608
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039337H1
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 <213> Glycine max
 <223> Clone ID: 701039342H1
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atggcctttg tcaccactgc tgaagtgtgt gatgcgaacc cacagttaat tttgagtggg 120
gagcttcgtg cccttcagcc agtttttcag atttatggcc gtcgacaggt tttctctgga 180
cctatagtta ccttgaaggt gtttgaagac aatgttttgg ttcgtgagtt ccttg 235

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<212> DNA
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<223> Clone ID: 701039343H1

<400> 46610

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tttcgctctc tccctgaatc actcatcctt ataataaata aattctctct ctcgaagaag 180
aaggcgaaag aggttttcat tgttcttggt gttgtagacg aagaagaagc tcaagaatgg 240
agtcgacg 248

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<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039348H1

<400> 46611

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ctatcagaca gccagcctcc aaacttcgag aacaggtcgc tcgtcaacaa caggctgtgc 120
ttaaacagtt tgggcctggg ggatatggac gttcagataa tatggttact gatgaggtag 180
agcttcagca acatcagaaa cttgagaagc tttacatc aacacgtgct ggacagcatt 240
atcaaaggga tattgtccg 259

<210> 46612
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701039349H1

<400> 46612

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aagcatgaca acatcattgt ccagcatcct tttcaaggga attgcagctc gttctttcac 120
cgccccctcta actaggtcct gttatcatgg aatgagatac tttgctactg tatcaaata 180
tcctgacaca catgatgact tcaagccagc taataaaactt gagaattcca acatttcttt 240
g 241

<210> 46613

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701039350H1

<400> 46613

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atctcgtgtc cttttttctg atataacaga tcaagctagc tgaagaagct ggaaatgggt 120
ccaaggtcac tagtaccacc acctcctcca cttcccaaatt tctcaagacc aaaagcagaa 180
gagagtgtca caaaccgaga aattgccaaag ttttgagggc aaaagaggat cgtggagga 239

<210> 46614

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701039351H1

<400> 46614

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ttgggtttatc aggacctcct tacaggtgat gagcttctct cggactcctt ccgttacaat 120
gaaattgaga atggaatgct gtgggaagtt gaggggaagt ggggttgtaa gggagcagtc 180
gatgttgaca ttggtgcaaa cccttctgct gaggggtggag aagatgaggg agtcgatg 238

<210> 46615

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039352H1

<400> 46615

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atcaacatgg gtggggattc tattgtttct catggtacag acgaaggttc ttgtttggag 120
gagaattttc ccttgctttc atctcactcc tcacctgctc tcagggataa tttgggcttg 180
caggatgaag acaacagaat gaaagcggag aatgggttaa cttgtagtga aactg 235

<210> 46616

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039353H1

<400> 46616

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acgaagagga caaggttaac tgaatcgccg cttctgtgtg gcttcgttct ttcgttttag 120
ttttttcatc ttttttagctt tagagggttaa tacattcttt aaaaaaatgg aggttttggt 180
gggtcccgtt ttcaccatcg acgttccttc gtctccgccg cgggatggcg gttcc 235

<210> 46617

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701039354H1

<400> 46617

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caatcgaaga gtgagggaaa ttgtggagca gagttggaca gcagattaag ttcacacctta 120
tatgcatggg aagctttgaa ggcattgaatt tggttgcagt gatggcaact ataagaatga 180
ttgtgcaaac tcatcacatt tatattctct gctgatatgc atgatagcat catctta 237

<210> 46618

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039356H1

<400> 46618

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 tgatgatatg agcatttttg attggatgat tcaatgcata acatttttgc tcttatttta 120
 tacatgtacg gcataattaa ttacgtttta atacataatt tcaggacaaa ccttacagca 180
 agtcgaccga ggccaaaccc gcaaggctcg taccattacg gtatgataaa cacga 235

<210> 46619

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701039357H1

<400> 46619

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 tgaagcaagc tgacaagact aagggaagct tggatggtgg aaatggaatc ggcagctgaa 120
 aaccctaatt acccggcggg ggactacaag cgaccttcca tcttgtcatt tcctcgagg 180
 cccgccctca gagttacatc cgagttcgat agtgaaagcg cagtcttctt ccataa 236

<210> 46620

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701039358H1

<400> 46620

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 cttcttctac ctttcaagtt ttaaaagtat aaagatggca gagacattcc tatttacctc 120
 agagtcggtg aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct 180
 cgacgcttgc ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcacca 236

<210> 46621

<211> 74

<212> DNA

<213> Glycine max

<223> Clone ID: 701039361H1

<400> 46621

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tcattcaata cgagg 74

<210> 46622

<211> 146

<212> DNA

<213> Glycine max

<223> Clone ID: 701039363H1

<400> 46622

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ccaccaagg cgcgagcctt cgagcacggc ctcttgcca tcccgccct catcttctcc 120
gacccggcgc aaaccctaatt tccgtt 146

<210> 46623

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701039365H1

<400> 46623

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aaagaccatc acccttgagg tggaaagctc tgacaccatc gacaacgtca aggccaagat 120
ccaggacaag gacggaattc ccccgatca gcaacgtctc atcttcgccg gaaagcagct 180
cgaggacggc cgtaccctcg ccgactacaa catccagaag gagtcaaccc ttcaccttgt 240

<210> 46624

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701039366H1

<400> 46624

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cataaccaat ttatcatctc tccgatcttt caatggattc tgacttctgg acctcgctc 120
 ttgctgccgc taaacgcaa tacacgcttc agcatcacca tccaaattct cacttagatc 180
 ggttgggcat cgatgatttt gatgtggaag aagaggtag acctgatttt ccttgcccc 239

<210> 46625
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039367H1
 <400> 46625

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 cttcgttgtg ctgtgcttgc ttctctttta ttctttctat tagtattcgt ttcgttttct 120
 ccgccgtttc cgtagctcgg cttcagcagc accagaacca ggtgtctact atctgaattc 180
 acatgtgctg ttattgtctt ccaattgggt gacatctgat tgaagagcaa tgcaga 236

<210> 46626
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039369H1
 <400> 46626

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 caacaaagct tcccatggct gcaccttggt tcttccaaat atgtgcaagg gtttaatcat 120
 tgatagaacc aagattcaat ttcacaagag ggtaacaaga ggatgatcta tcttggtgat 180
 ggtagtgggt actattgccc aagcttgagg ctaaaagaga gagactatat gat 233

<210> 46627
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039370H1
 <400> 46627

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tgggccctcg gagttaatta caacacctgg gcctctggga aaactttcac agt

233

<210> 46631
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 701039373H1

<400> 46631

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gacacacact ctttccatct ggagtatagc tcaactggctt gtacagttga aattgtagat 120
gatgtatttg ctgccattga ccacatacat caccatggaa gtgctcatalc tgaatgcatt 180
gttgacagaag actctgaagt cgccgaagct ttcttaagtc aggttgacag tgct 234

<210> 46632
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039290H1

<400> 46632

gcaaccaca aaagcagcac aagaacactc atcagatccc agtgatcaat tcaatttgcg 60
ttcatcactg gtaaggcaaa catgaggggc attctttccg taaggacagc cttgggtcaa 120
catcatagtg agaaattgtc cttgggttca gagtatttag cactcagggg gcttccactg 180
ctagtacccc acagccgcca ccaccacctc ctccgccgga gaaaacccat tttggcgggc 240
ttaaggatga ggacaggata tttactaa 268

<210> 46633
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039291H1

<400> 46633

ctatcaacga acccactgcc gctgccattg cctatggatt ggacaagaaa ggtggcgaga 60
agaacattct agtctttgat cttgggtgtg ggaccttga tgctcagatc ttgacaattg 120

<400> 46636

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tactgggctg aggttaccgt tgcaaaccat aaccacttg ggaggcttga taactggagg 120
ttgagctggg actggataat gatgagttta tatattcaat gaaaggggct tatecttcgg 180
ttgtggatgc ttctgattgt ctctttggta agcaaggaac tttctatagg gatcttgact 240
ttgcccttgt gttgaattgt gagaga 266

<210> 46637

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701039295H1

<400> 46637

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atgattcatc ttccccttct tccggcacia gtcaggctcg agaattccaca gaggtaacca 120
aatattccaa cccaatccta gatacataag cgacatactc atggacgagg aagacgactt 180
ggagcgcaaa ccttgcattgt tgcaggaatg tttgagactc caggctgctg aagaatcctt 240
ccatgatgtc cttctccatc aaaaccttc 269

<210> 46638

<211> 238

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039296H1

<400> 46638

cgtgctgttg aatgtactgg cagcatccaa gccatgatct cagcattcga atgcgtccac 60
.gatggttggg gtgttgctgt acttgttgga gtgccaaaca aagatgatgc attcaaaact 120
catccagtga atttcttgaa gagaggactc taaagggtag cgtctatgga nactacaaac 180
cccgcactga ccttccttct gttgtggaga agtacatgaa tggggaattg gactggag 238

<210> 46639

<211> 244

002220" EFFE50

<212> DNA
<213> Glycine max

<223> Clone ID: 701039301H1

<400> 46639

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tccattggca atacttgtga tgatattagg cacaccatac tctagtgttt ctggaaagag 120
tgaaagtaat gtgcaacagc tgtttttctg tctcctaagt ttgaacttgg accgggatcg 180
gttgaaaata aatatgatta tgctattgat tttccaagag gtcatatagc acttaagagt 240
ttca 244

<210> 46640
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701039303H1

<400> 46640

agaatcccag gcgaggagaa agatggaggg gaaggagcag gatgtgtcgt tgggagcgaa 60
caagttcccc gagagacagc caattgggac ggcggcgag agccaagacg acggcaagga 120
ctaccaggag ccgacgccg cgccgctggt tgacccgacg gagtttacgt catggtcgtt 180
ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca tcaactgtctt 240
a 241

<210> 46641
<211> 70
<212> DNA
<213> Glycine max

<223> Clone ID: 701039305H1

<400> 46641

cttcaggata tccattttaga aagtgtgctg ccaatgaaca aaacacactt aagacaatcg 60
ccacaacagc 70

<210> 46642
<211> 239

0-7-1-6

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 ctgagtcggt gtcttgcgga ggataatgga cttgttatga acttctacaa ggaatcatgc 120
 cctcaggctg aagacatcat caaagaacaa gtcaagcttc tctacaagcg ccacaagaac 180
 actgcttgct cctggctcag aaacatcgtc catgactgtg ctgttccgcg ttgtgatg 238

<210> 46646
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039312H1

<400> 46646

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 cttgcgggctg tcgggtcatt gctgtcttgt tgggtgttatt tgtaatggaa ccctttacat 120
 agcaaacctt ggggattccc gggcagtttt gggaagagca gtcaaggcaa ctggcgaggt 180
 tttatccatg caattatcag cagagcacaa tgcacgata gagactgtac gacaggagct 240

<210> 46647
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039314H1

<400> 46647

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 tgaattctga agcttttgct acgtttctac cattcaggtt tgtttctccg aacgcgaaaa 120
 tctaatactt cttttagggt ttgtgctgga tgatctgcga gaatctatgt tctatccgac 180
 ttcatttatc tcagtgaagt tttctgcgct tccacgatgc aaatatagcg tttcgcgttt 240

<210> 46648
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039315H1

<400> 46648

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 ccctctctgc ttgaacatca gtctgtgaca tgtcaaaggt ttgggagaca tttgatatag 120
 agattgctgc tacaccaatg cctgagcaat atcaaaataa aatggtttgg atcctgtgca 180
 acgattgtgg taaaacttct cacgttcagt tccattttgt ggctcaaaag tgtccgaact 240
 g 241

<210> 46649
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039316H1

<400> 46649

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 cctcgccgta gtcgccgtgg aagatctgcc cgtcctgctc ctcgtcgagc acctcgctct 120
 gctccagttc accatgctcc tctccagcc cctgctcaga gcgggtggcgg atctatgctt 180
 ggtggcattg gttcaaccat agctcaaggt atggcttttg gcaactggaag tgcagtggca 240

<210> 46650
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039317H1

<400> 46650

cgcgtagctc accgcatact gctcgactag cagctctcgt tgtttcggag ttagggacct 60
 tacgcagcca tggccactgc tacgaatgcc gccgccgcc caccacgcca gctctcccag 120
 aaggaagctg acatccagat gatgttgccc gccgacgtcc acctcggcac caagaactgc 180
 gacttcctaaa tggaacgtta catcttcaag cgccgcaacg acgggattta cattattaac 240
 cttgggaaga cgtgggagaa gcttcagc 268

<210> 46651
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 <212> DNA
 <213> Glycine max

09531113.032200

<223> Clone ID: 701039318H1

<400> 46651

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gttttagctca attgattcag caagtgtgtg agtgagttat tgtaaaacttt ctgatatctg 120
tcttccattt ttatgattaa aaaaatcaga gcaatgaatg ttttatattt aagctcaagt 180
tcaagcctaa gcatgtccaa gccgtttcaa ttctcaagta aacatcatca aagagcttct 240
ag 242

<210> 46652

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701039320H1

<400> 46652

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gtttctgttc ttcattctct tctctctcag ctatgcctcc gaacaaatct tccccgctca 120
tatcggtagc atatttggtg gtggcggtgg tggccgctct cgcgaaacaa aatacaagat 180
tgaatttcat cccgaagatt tcccttttca ccctgatgat gatcaggaat ctatagtc 238

<210> 46653

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701039323H1

<400> 46653

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ttgaagaggc ttaatgcccc aaagcattgg atgcttgaca aactgggtgg tgcatttgct 120
cctaagccct catctggacc acacaaatcc cgcggaatgc ctgccactca tactcatttt 180
gcgaaaccgg ctgaagtatg ctctgacata ccgtgaagtc attgctattc tgatgc 236

<210> 46654

<211> 235

<212> DNA
<213> Glycine max

<223> Clone ID: 701039324H1

<400> 46654

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ccacccttta tgctgctaata agtaatctca tctctttgct atcattcaga ttgatttctc 120
tcttagcacc tcgatcaacg ggctaaaagt ttaaactttg ctgcttaaac ttttctttca 180
cggtttgata catcttattg attttagtgc tatttcaaag gggcgaaatt tgaga 235

<210> 46655
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039289H1

<400> 46655

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cacagtgggtg tgggtgcgcgg tggcgggtgct attatgcgcc gcggccggtg cgtcgtgggt 120
ggaggaggcg gcgaaccogt acgaatgggtg tctggcgtgg aggcggaggt ggttcgggtg 180
atcggggagt gccggcgtgc gttgaagttt gctaggttcg tgagcaggtt cgggaagagt 240
taccaaagcg aggaagagat gaaggaga 268

<210> 46656
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701039326H1

<400> 46656

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aagaggagga acaagacca caccctctgt gtgagggtg gccgccgag cttccacctc 120
cagaagagtc gttgctctgc gtgcgcttac cccgctgcgc gcaccaggaa atataactgg 180
agcgtgaagg ccattaggcg aaagaccacc ggaactggaa ggatgaggta cttgcgta 238

<210> 46657
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039328H1

 <400> 46657

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 atttccacaa gagaatccac cttcatcacc actgcaactt cttctgtgac tccctcttca 120
 aataatgctc agtt 134

<210> 46658
 <211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039329H1

 <400> 46658

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 gtgtcgttgg gagcgaacaa gttccccgag agacagccaa ttgggacggc ggcgcagagc 120
 caagacgacg gcaaggacta ccaggagccg gcgccggcgc cgctggttga cccgacggag 180
 ttacgtcat ggtcgtttta cagagcaggg atagcagagt ttgtggccac ttttctgttt 240

<210> 46659
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039330H1

 <400> 46659

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 attgcatcag gagaagttga aactgcttct ggctctcatt ctgtcactac ttatagtga 120
 cagaa 125

<210> 46660
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039258H1

<400> 46660

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 tccaatttta ttcttcttga tcaaaagtcg tagaactaga aggttaggtt gagggcgata 120
 tgaaggtaac caaaggaag gaactaaaat tgttctgaca aaacccttcc aattggaagg 180
 tgaatcagat ttagaaccgt cttatagagc tccaatctc ctacatcgct tgttaagttt 240
 actcaagaac gtgcgccag gatcagatct cac 273

<210> 46661

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701039259H1

<400> 46661

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 gtttccaaac tcctctgccc aacagaggat gccagtgggtt ggaatgggat ctgcccctga 120
 cttcacatgc aagaaagaca caaggaggct atcattgagg ccgtgaaaca gggttacaga 180
 cacttcgaca ctgctgctgc ttatggctct gaacaggctc tcggtgaagc tctcaaggaa 240
 gctatccatc ttggcctcgt ctcccgccaa ga 272

<210> 46662

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701039263H1

<400> 46662

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 gatttggaac ttgatggagt ggtggatacc tcaattgagc aattgtatca caatgtgtgt 120
 gaaatgagga gctctgatca ttccctcaa gggctagttt ctactcttat gattatgatg 180
 gcgagtccag gattgattca gaactaggcc atcttgctgg tgatattgtg gatttgga 240
 tcacaaagga ggtgggttaca gagaataaag agg 273

[illegible]

<400> 46663

<210>	46664
<211>	178
<212>	DNA
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<400> 46664

<210>	46665
<211>	269
<212>	DNA
<213>	Glycine max

<400> 46665

18596

agcctcctaa tagcatccag gatattggc

269

<210> 46666
 <211> 271
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 <223> Clone ID: 701039268H1
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 agaggacgga tgtggcatatc gtgactctat tgtacggaga tgaattcttg ttgggtgttc 120
 gagttctcgg caaatcgata cggacacggg atccaacaaa gacatggctg ttttgggtctc 180
 tgatgggtgc tctgattatg ccaataccct tctccaggct gatgggtgga tagttgagaa 240
 gattagttta ctggcaaata ctaatacaagt a 271

<210> 46667
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039269H1
 <400> 46667

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 tcaactcaatc ccacgcaaaa ataccggcgt ctattccggg gggccatggc aaagcgctca 180
 cgccactttc tacggtggca ggcagcctc aggaactatg ggaggagcgt gtgggtacgg 240
 gaacctatat tccaaggct acggtgtgaa c 271

<210> 46668
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039270H1
 <400> 46668

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aagccctaatt tccccctcat ttccatggcc acagaagagc ccactgtcgc ggtggaaccc 120
gctcccgaa ctgcctccgc cgacctcccc cggaggagaa ggaggagacc aaacctgaag 180
ccaaggctaa gaaaaccaag gagcccaaac ctaaaaagggt ttccagacct cgcaaccctc 240
ccactcatcc ttcctacgaa gagatgggta aagat 275

<210> 46669
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039271H1

<400> 46669

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aacagcgta gatgggaaaa taaaagcatg gttgtatgac aatttgggat ctcgtggtga 120
ttatgaagct cctggtcggt gggcacaacc atggcttata gtgctgatgg tacaaggctc 180
ttttcctgtg ggacaagcaa agatggggaa tcatccattg ttgagtggaa tgaaagtga 240
ggagctgtta aaaggactta ccaaggattt cg 272

<210> 46670
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039272H1

<400> 46670

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gttcatgaac atatccacaa tgtccatcac tagcagctgc attgataaga atgcaactccc 180
atgactgttt tgtaagggga agtgatggat cggtgcttct gaactcaaca accaatcagg 240
ctgaaaagaa tgctcctcca aatctcacag tt 272

<210> 46671
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039273H1

<400> 46671

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 agatcatgga ttccgtgcct tgaattcgca tggaaacctc gatgagcaga tttctcagct 180
 catgcagtgc aaacccttgt ccgagcaaga ggtaagggtc ttgtgtgata aggcaaaaga 240
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<210> 46672

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701039274H1

<400> 46672

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 atattattac tactacctta tgtaaaatga attgtgtgta tattttgtct ttaataccat 180
 atttaccctc caatttttcc aactattatc cttctcttcc acgccgcacg ccaatcgta 240
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<210> 46673

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039275H1

<400> 46673

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 gagccaaaaa agctttcttt tgtttcctct gtttttcttt tcggcaaagt agaagatatt 120
 tgtgattttc ttctgtgaat gaattcgagt cgttgcttct ggcttcggtg cttgctgttt 180
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 actgtgtggt ctggccatgg agaatt 265

<210> 46674
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039276H1

<400> 46674

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ttttcttcag atcgaatggaa atcttgggat tgatctaagc tgcgccgttg gatctctccg 180
ccacggccag ttaccggaga aggactgctt gtcacctctc atttccaaac tcctcggcta 240
cgccatcgtc gcggcttcca ccaccgtcaa 270

<210> 46675
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039277H1

<400> 46675

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aaagagtttt gttttgtcta ttgttctcat ggggtgggttt gaacagcaga tgaaggatag 120
agccaaggag ctcaaggtct gctcaagaaa ggggtgaaga ttgtgggaga ttcattgcaag 180
aaggggtgga acaaagtcaa acacatcaaa cgctagctga ttagtgattt gtaatcattt 240
gttgcattggc ttattatccc aaagtctct 269

<210> 46676
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039278H1

<400> 46676

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cagccacggc tgagaaaata gctcgtcttc acgatccagc gattccgctc tccaacggga 120

ctgcgaggg tgaagaatcg aaggccagcc gccggtgaag aatcgcgga ttactctgga 180
aatcgcgctt ccagcacgat tcatgcccga tacagagatt taaccacgat tcaggaacaa 240
aaacgagaca acctccgatt cgtactggta g 271

<210> 46677
<211> 65
<212> DNA
<213> Glycine max

<223> Clone ID: 701039280H1

<400> 46677

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gcggc 65

<210> 46678
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039282H1

<400> 46678

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caatggcttt ctttggtaga attgggaatt tattaagaca gacagcaagc aggcaggtta 120
gttcagaatt gcgatcatcc cttccctttt tcaggctata cgcagtatgt catctgctcc 180
aagcaciaag ctgtttatcg gaggtgtttc atattctact gacgagcaaa gtttgaggga 240
agctttttca aaatatggtg aagttgttga t 271

<210> 46679
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039283H1

<400> 46679

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ttgaacttgc acttggttta ttggttttgg ctctgtttct gcacttgogt cccacacca 120

ctgcaaaatc aaaagcactt gccatctccc aaaccaccca agcccaaagc ctcgtctccc 180
 cttcatagga caccttcac cttttaaaga caaacttctc cactacgcac tcacgcacct 240
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<210> 46680
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039284H1
 <400> 46680

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 gaaagaggag caatggaata cactattgta gtagctgaaa cagcggattc tccagctaca 120
 ttacaatacc tcgcccctta acaggagcag ctctggctga atattttatg taccgtgaac 180
 gtcacacttt aatcatttat gacgatctct ccaacaagc acaggcttat cgccaaatgt 240
 ctcttctatt acgaagacca cctggtcgcg a 271

<210> 46681
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039285H1
 <400> 46681

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 ttgggtaatc cgatgaatga tgatgattca tgatttgcac agtgattgtg gaagctcaac 120
 agagggattg gtactgtagt agggctagga gtccctgaaa tgtatatgcc tgtggctacc 180
 tctgccacgc tgcgcggcgg attgcctact gacagtgggg actctgttgt ggcattagac 240
 caagttcttc gatggaatga tgctgatcag 270

<210> 46682
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039286H1

<400> 46682

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aatggggcgtc ttcagcgaaa acccgaatcc ggacccgggt gtgatccgcc aggtttgggc 120

ttcaaattctc gaatccgaat ccaactcatc cgcgaaactca tcgaccacta tccttttata 180

tcgatggaca cagaattccc cgggtgttggt ttccgaccac acctggaccc cacaaaaccc 240

tacaaccacc gcaacaacaa tcgcaaccgc ca 272

<210> 46683

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039287H1

<400> 46683

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gcataatacg ttaagcttca agtaactcgg ctgcagcagc tggtttacgt aatgcattca 120

gtctctctga gaaacaagct aagctcttct ggacattagc ctaagaagac tgtcccttcg 180

tgagagtgga aactttgtgg ctgaaagtaa atctttgatg gaacaaattt ccaagttaga 240

ggaactgttg tccagcagga aaaatata 268

<210> 46684

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701039257H1

<400> 46684

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ttgccttctt tcaacttcagt tagctgagtg tggttggaag cactttcctt ctcctttggg 120

tagttatgtc atcagcacct atgccgacaa caacaagggt caaaacaaag gcctttttatc 180

ttcttcttct tcttcttctt ctgtgaggat agaggaagag atcatgaagc agggcatcat 240

aaccattttg aactcaaaca caaacacaaa caca 274

<210> 46685
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039222H1

 <400> 46685

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 accgtttgct tgcttcgtgt atgtacattc tctccggagg caccgtcgtg agctcttctc 120
 tctggtaggt ccgtgttgct gaaacctttt gacctttcca ataaagcatt tgtttcaccc 180
 tatcaatgag aggaaccatt ggaataagga ttccaaaccc caatatttcc aatgccacca 240
 gaaaaaccct agttccattt tctacatctt ccggttttgg 280

<210> 46686
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039223H1

 <400> 46686

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 tcagtgtctc tctcagttga gtgccttact tttaacgcag gtacaaagaa ggaagaagca 120
 cgcgtggggg tgtgggtgaa tatatggcga aagagtacca gtaggagagt tgttggtgtt 180
 ggtgttatta ttgttggcac caaagacaaa ggcaatgagc ataacaagag gtcataataa 240
 aagcaggggc aaagagtcct ctggttctag tgatgagggg 280

<210> 46687
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039226H1

 <400> 46687

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 tttcagagtc atgagcctga gtttgatatc ttaagagttt ggaaatagaa gagaaaatta 180

acaaaatcaa atggtgccaa acagccaatg gtgctttggt ccttctatcc acaaatgata 240
acaccatcaa attttggaag gttcaagaaa agaa 274

<210> 46688
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039227H1

<400> 46688

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tcttttccat tcttgcttcc tttgtgggtg tctgagtttt ctttcttca atttaattga 180
aagatggctt gcttggtatc tcgctcagga agggaattgc agaggtacaa caacatgggt 240
ggccggcaag ttgttgggtg agttcggtcg ctatt 275

<210> 46689
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039228H1

<400> 46689

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ctcggaaacca cctactcttg cgtcgtgtgt ggcaacatga ccgcgttgaa atcatcgcca 180
acgaccaagg gaacagaacc acgccgtctt acgtcggatt cactgacacc gagcgtctca 240
tcggtgatgc ggccaagaat caagtcgcca tgaac 275

<210> 46690
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039229H1

<400> 46690

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 ccctggtcca tggaagttac ctatcatggt aaccttcac aggtagcact agcagcttca 180
 cttccacatc atgctctcca aaaacttgcc cgtaaataatg gacctctcat gcacctccaa 240
 cttggtgaaa tttcaacact ggttgtgtcc tcccc 276

<210> 46691
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039230H1

<400> 46691

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 cccgaaccac gccatccgta ggatgatcca ggactggtgc gtggagcacc gttcccacgg 180
 catcgaacgg atccccactc ctcttatccc cgtcaccocg tacgaggttg ctgacacgtg 240
 tacgaggatc ttgtcggcgg cgcaacacgg ggacgaga 278

<210> 46692
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039234H1

<400> 46692

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 gttcacatca ttgtcgacgt tcgttcagtt gtcacactc tcaacagaga agagaagaga 120
 gatgagagga aggagctata gtccatccct cctcctccac gttacagcag aagaggagga 180
 gggaggagtc ccagccctag gggccgctat cctccccgtc cccgacaaca agatctccct 240
 accagccttc ttgttcg 257

<210> 46693
 <211> 275

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701039236H1
 <400> 46693
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 cgtagcgtgc acccgcaacg acaaaacgga tcgaaatccg ttctggggag acccaagggtg 180
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 cggtccagta tgcgaactca gctaccggaa cccaa 275

<210> 46694
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039237H1
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 aaccaaggct gcacgtaagt ctgcaccaca actggtgggtg tgaagaagcc tcacgtttat 180
 cgccctggaa ctgttgctct tcgtgagatt aggaaatacc agaagagcac tgagctccta 240
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<210> 46695
 <211> 275
 <212> DNA
 <213> Glycine max
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 <400> 46695
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 aagataaaac ccaacaactt ccagaaaaat gaccaggtct tcagcttcat cgtctccatc 180
 cacttcaaat aacatagttg cagcaaaagt aactagcctt gaacctctaa caatcaatga 240

275

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tcgaatccga	attccaactc	atccgcgact	catcgaccac	tatcctttta	tctcgatgga	180
cacagaattc	ccgggtgttg	ttttccgacc	acacctggac	cccacaaaac	cctacaacca	240
ccgcaacaac	aatcgcaacc	gccactccga	ccacta			276

taacaagatg gcttcttttc atatcccata ttcattcctt gtgcttgatg	60
gatcacattg atgaaccga ccaatgcaac cctctctccc catttctatg ataaagtttg	120
ccctcaggca ttgccagtta taaagtagtg gttcaacgag caattatccg tgagcgacgc	180
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tcaatattgc tagatgacac ccgaaacttc actggcga	278

cttgcaggaa aaatggtttc gctgaaactg cagaagcggc tgcgccgag cctgctcaag 60

tgtggcagag gaaaggtttg gcttgacccc aatgaagtca acgaaatctc catggccaat 120
tctcgccaaa acataaggaa gctggttaagg atgggtttat catcaggaag cccaccaaga 180
ttcactctcg ctcacgtgct cgtcgaatga aggaagccaa gaggaagga cgtcactctg 240
gatacggtaa gcgtaagggt acaaggagg caaggct 277

<210> 46699
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701039242H1

<400> 46699

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atccttcgtc tcgtccacgc cctgcccgc ggactcatgg cgcctctgca cccaggccaa 120
cgccactccc ttctgacct tcgtgctgag cgtgtcggcg cctccgtgta tgtggctttc 180
tccggcgctcc atatggccgg cgagtccgac ccgaactgga gaaatttgac tcctttgtac 240
agcatcgcg gcctgcctct gtttctgtct cgg 273

<210> 46700
<211> 172
<212> DNA
<213> Glycine max

<223> Clone ID: 701039246H1

<400> 46700

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ctatcaatat aatcaagtca cctatagttc cttaattaat agacttgaga atgcacaaca 120
ggttttgatc atctattttc ttattaccta ttttctttca attttagtgg tg 172

<210> 46701
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039247H1

<400> 46701

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 gatcattctc ttcttctctt tctcttcaaa aaccaatttc tttttataca aataaagaag 180
 ataccaaaga aaaacatagc aaaaaaatac aaataaaaaa atggaaggac caagcaataa 240
 ggggttgttg gaatgtggaa ggaagtgcac tccac 275

<210> 46702
 <211> 186
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039248H1

<400> 46702

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 acatctgaag gtggctgcgc cgtatttgct cgccgtcctc ggtggcaaca acagcccctc 120
 cgccgatgtc atcaaggaaa tccttgggtc gttggagtag aagcagatga agataggatt 180
 gaatcg 186

<210> 46703
 <211> 274
 <212> DNA
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<223> Clone ID: 701039249H1

<400> 46703

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 tgcctgaaac tgggtcactc tctatgttgt gcttggcgct tctggggatc ttgctaagaa 180
 gaagacattt cctgcacttt tccatctata ccggcagggg ttcttaccag cagatgaagt 240
 tcacattttt ggctatgcaa ggacaaaaat atct 274

<210> 46704
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039250H1

<400> 46704

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 aaagtggtag tggtcgagaa ggccctcaaa aaggttaaaa gccttccaaa gccagttctg 120
 aatcacgaac acatcctcaa gaagaactct cttttggggg aaacaattta ccctccactt 180
 tttggagtac taagcctcag caggaggatg ttgccgtgga cgcagaggaa gctcaagttt 240
 aaaccttcac atattaacac ttgcacttca cgtgact 277

<210> 46705

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701039252H1

<400> 46705

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 gcagcggcaa tcgcgtaagt gcgagaagga ggagaaatcg gagaagctga aggtgaagaa 120
 ggcgattgag aaaggcaaca tggacgagcg cggatctacg cggagaacgc gatccgtaag 180
 cgcacggagc agatgaacta cctccggctt gcctcgcgcc tggacgccgt cgtggctcgc 240
 ctcgacacgc aggcgaagat gacgacgatc agcaagt 277

<210> 46706

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039253H1

<400> 46706

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 tgggatagaa taataatddd gttggggtag cctatccgaa tggtttatgt taataatatg 120
 tttgcttatg attttgcaag tgtaattgat tgcattcttc attaatgctt tagagcagga 180
 catattctgt tttctaggga catgaatgaa tgtagtataa ttttgtgtaa aaaaaaaaaa 240
 aaaaaaaaaa aaaagggggg gcccc 265

<210> 46707
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701039255H1

<400> 46707

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cctgtcacta acagtaggga tacacaagag gttatgttgg agcctgggct gaaattaatt 120
aaaattttca aggaatatac cagcagacat gcatttttga tgattttggc ttctatgagg 180
ctcgtcagaa aactattttg gagaagaaag caaagcaaca attcccaaag caggtatggg 240
aagggaaacc tgctgatgag aagattgaga taa 273

<210> 46708
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701039221H1

<400> 46708

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ccacaacatc acccgcatgc ttgccaaaca ccccggttc tccaccttca accactacct 120
ctccctcacc cacctgcgcg aagagatcaa cgcgcgcga ccatcacgt cctggccctc 180
gacaatgccg ccatgtctc cctctcgac aagcacctct cctccccac catcaaaaac 240
gtcctctccc tccacgtcct cgtcgactac ttcggcgcca aaa 283

<210> 46709
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701039175H1

<400> 46709

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tgatttctct cgtctccttt agaattccga ttggtatttc taacactgtg aaagacagag 120

agatatggca ggaggtggtg gagctccagc acctaagatc gatgagccac agccacatcc 180
 accgaaggat cagctaccga atgtttctta ctgcattacg agtcctcctc catggcctga 240
 ggccatactt cttggttttc a 261

<210> 46710
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039176H1

<400> 46710

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 agtcagtaag ttcttgccagg caggaacttt tgaccttggtg ggcactatta tatacgagat 120
 agatgacat ccatatcata tttccttttg taatggcact gttgaggttg tgaatctggt 180
 gctttcttag catggaatcc gtttttctt tactttgggg ttgatcctgt ctctggggta 240
 ggatct 246

<210> 46711
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039177H1

<400> 46711

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 ggcgtcatca tggaaattca tgcgtccatt caagccatca acagtaggac tttccatgga 120
 tttattattt aggagcaaataaatcaatcag tttcttttga ttttggcatc ctagaatgag 180
 gatagtgatg atttaggcct tgatacatct tttttgcatt tcgcaatggt tntcatttat 240
 tttttttcgt gtcagtt 257

<210> 46712
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039178H1

<400> 46712

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ggatttccat gccactgcag caaattctac ttcttggttg aacaaacatg ggcgatgtca 120
tggtgtggga tataggcagc cgtgaaagga tcgcacaaaag aaattttaaa gtctgggaac 180
ttggagcatg ctctgtggcg ttacaagcat ctctttccaa tgattactca gcatcaatca 240
atcgggtggt gt 252

<210> 46713

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039179H1

<400> 46713

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ggtgataggg tttgtgattc tgatatagcg atgagtgaga gtcacgggaa cagcaggagg 120
cgaaatgttg aagatcaaga tctgggactg tacttcttgg aggcgtgcag gggtagggag 180
atgacagaca aagaggaaga ggcagaagaa gaagaggagg aggaggcacc agggagctca 240
acaccattaa cagctctgg 259

<210> 46714

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701039181H1

<400> 46714

gaaatgcaca gtaactaaac atgtctgctt cttctaattgc caatgggccca tttgagcatc 60
ctagcttgca tgtaaatgca attgggttac acaggaactg tgaattagac acagccccag 120
tttcatgggg ggatgttgct tgtgataatg atgcttttga aaaaaatgaa tctgcttcta 180
tatctagaga acatactgtt ttgagcagca aactggact acgatcccat tccaactcta 240
acttaaggac tactatttcc tctgatcatt 270

0953113.032200

<210> 46715
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039182H1

<400> 46715

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tcagaaaatg ttgtgaatga gagatgtgta ttgctagcag tttgactgca cagttgaatt 120
agtatgctac taaggggatt ctgctggatg tcaaagatg ttttaagattt gatatacagt 180
aaaaagaaat tggagactat ggaagaacta cagtctcaat cagataatta tagatcttcg 240
tcacgctcgg cacgcagccc ggc 263

<210> 46716
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039185H1

<400> 46716

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tgagccagac atgtacagga acgctgcttc acgtcttagg gtcacagtg cccgttcgtg 120
cagcagcagc aggatacctg ccagtgccag atttgcaagt tccgttgcca cacaacaatc 180
ctcttctggt ttgggtggtt tatttgatg gctcactgga gaccgatcca gttctttacc 240
atctctggat ttcccgttc cgggcg 266

<210> 46717
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039186H1

<400> 46717

caagaagcga aactaaagtc agcattcgaa aaagatgagt agcatcggtg caggttacga 60
tctatcggtc accactttct cccctgatgg ccgcgttttc cagatcgagt atgccgctaa 120

0953113 032200

agccgtcgac aacagcggga ctgttattgg gatcaagtgc aaagatgggg ttgtgttggg 180
cgttgagaag cttattccgt cgaaaatgat gttccgggt tccaatagaa gaatacactc 240
cgttcatcgt cactctggga tgg 263

<210> 46718
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039188H1

<400> 46718

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ttcaactgat cccagccctt ttgtctccat ttttgcccta tttactttgc aagtggagga 120
tattgaggct tattatgggtg catatgctgg attctcaatg atgaacattt agggactata 180
ttttgaccct aggaaagttg cttcatgaag ctttttcagt tgtataagca ggatatttac 240
caccagtccg taaaggattt tggttg 266

<210> 46719
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701039189H1

<400> 46719

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gtgatgatgc tttcaacacc ttcttcagt aaactggggc tggaaagcac gtgcctcgtg 120
cgatttttgt agatctcgag cctactgtga ttgatgaagt taggactggg acataccgcc 180
aactatttca tctgagcag ctcatagcg gaaaggagga tgctgcaaac aactttgccc 240
gtggccacta taccattgga a 261

<210> 46720
<211> 74
<212> DNA
<213> Glycine max

<223> Clone ID: 701039193H1

<400> 46720

ggagtttttg ggtgttgagg tgaaaagtgg ataatctcgt catctctcgg atcaaccttg 60
agagattctc cact 74

<210> 46721

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 701039196H1

<400> 46721

cgccgcctcc ggcgactcca aggtcttcta cctcaagatg cagggagact accacaggta 60
cctcgctgag ttcaagaccg ggcgcgaccg caaggcagcc gccgagagca cgctctccgc 120
ctacaaagcc gctcaggaca ttgctaacac cgagctgcct ccaactcacc ctatcag 177

<210> 46722

<211> 92

<212> DNA

<213> Glycine max

<223> Clone ID: 701039203H1

<400> 46722

gtttctactc tcacaactgt ttatattctg cctcttctca actgtgttcg tgtgtatgca 60
tttgagttga aagccagact caaggagctg aa 92

<210> 46723

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701039206H1

<400> 46723

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tagtcaaaag agtcatgaga cacgtaagac aatcaaatgg tttaagaagt tttttgagat 120
tttgatggc ttgactgttg aacagataaa taaccagaaa gacagtggca ttgtccagct 180
tgccaaggtg gtcctggagc tattgattgg tacagaggac tgcagccctt ggtgacacat 240

282

<400> 46724

<210>	46725
<211>	280
<212>	DNA
<213>	Glycine max
<223>	Clone ID: 701039210H1
<400>	46725

<210>	46726
<211>	278
<212>	DNA
<213>	Glycine max
<223>	Clone ID: 701039211H1
<400>	46726

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002229"032200

tgtggccgtt cttggcagca gtgaggggtgt cactggaact attcacttcg ttcaggaggg 120
aagtggcca accaccgtaa ctggatcctt gctgggtctta agcctgggtct ccatgggttc 180
catgtccatg ccttggggga cactaccaat ggttgccctct caactggatc acatttcaat 240
cctaataaca aggagcatgg tgcccctgac gatgagaa 278

<210> 46727
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701039213H1

<400> 46727

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ctgagatcaa gccatcagtt gaagtagtcg tatgtgcttc catgaacaat aataatagcg 120
caaacaacca caccctccca accgacatac caagccatca caattaccaa tcttgaccag 180
gctccatgct ggttactttt tcatatgcct ttcctttgga gcacaagctt tgctctggaa 240
gagtttgagt aaacacaaca aggactcaca aagtctct 278

<210> 46728
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701039215H1

<400> 46728

caaaattcag gaaaaaaaaa aaaaaacatg ggggtaaagg tgtatgggtcc aacccatgga 60
tccccaaaga gggtcctggg gtgtctgatt gagaaggaaa ttgagtttga aacagtgcag 120
gttgatctct tcagggggga gaataaggac ctgagtcctt aaagctgcag ccattgggac 180
cccttcggtt tattaaagag ggggattata ctctctatga atcccgggca ataatcagat 240
acttagctga gaagtataaa gcccagggga ctgacttt 278

<210> 46729
<211> 143
<212> DNA
<213> Glycine max

<223> Clone ID: 701039217H1

<400> 46729

caacaatggc ttctgtgcct caacaaaaa tctcccttct aaccttattc ttcttctcgt 60
ccttcaccat cattgcgcac gcaattgttc ctcagaacga aaccttataa tttgagaact 120
caggtgaact tggaccctac atc 143

<210> 46730

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039218H1

<400> 46730

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ctcggggata atgaggttgg actcttttgc taatgaattg gggtcttctg ctctgccacc 120
cctttcagat tcttcgcctt ctattggcac actaaacctc tgaatgattc ggcttacgtg 180
ccctgcttct ccaatccaat tgatgttcaa agaaaccaag aaggtgtctt cgattccgtc 240
accaactcta tgtatgcggg ttcttcaa at cctatgga 278

<210> 46731

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039219H1

<400> 46731

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gatcttcagc aagttcgaca agaacggcga cggcaagatc tcgtgcgccg agctgaagga 120
gatgatggtg gcgctgggat ccaaaacgag tcgcaggagg tgaagcgcat gatggcggag 180
cttgatcgga acggcgacgg ctacattgac ctgaaggagt tcggcgagtt ccattgcggc 240
ggcggcgacg ggagggagct cggggaggcg ttcgagctgt 280

<210> 46732

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701039220H1

<400> 46732

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acggtaagta tggcgggacaa ggctgttaca atccgaaccc gaaagtcat gaccaacagg 120
cttctttcca ggaagcagtt tgtcgttgag ttcttcatcc agggagggca aatgtttcca 180
aggctgaact taaggagaag ctagctagga tgtatgatgt gaaagaccct aatactgtat 240
ttgtcttcaa attccgaaca cattttggag gtggcaa 277

<210> 46733

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701039174H1

<400> 46733

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agtagttctg cagacaatgt cgaagcagga actgcagttt ttctcgtgga gcttgaggaa 120
aaaagagcta ttaaggtttt tgggaagagc actttgattg gattggctct aacattcttt 180
gctggacttt gcttctctat gttctcacca gcattcaaca tagcaacaaa tgaccaatgg 240
aatactttga aaaaaggggt t 261

<210> 46734

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039145H1

<400> 46734

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gattctgacg ctaccactca gcctcaagat tccgacactg ctcccaattc cagtcctccc 120
aacgccctcg tccccgccgc tcccgcggtt tgctccttc gcttcgccac cgactccgcc 180
ggcggcgctc tcatgggctc cgtctttgga tacggtgctg gattgtttaa gaagaaaggt 240

tttaaaggat cctttgtaga agcag

265

<210> 46735
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039146H1

<400> 46735

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ggacctggcg tggacatgcc gatcatgcac gatagcgacc gctacgattt cgttcgcgat 180

atcggctccg ggaatttcgg cgtcgcaagg cttatgaggc gataaccgac gcaagagctt 240

gttgctcgta agtatattg 259

<210> 46736
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039147H1

<400> 46736

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atctgtgata acggaattga tcatactttt cactgcaaca ggaagctaata aggggcaagg 120

tacttcaaca agggctacgc ctcaagtgtc ggcccactga actcctcctt tgactcgcca 180

cgtgacaacg agggccacgg gacccacacc ctatccacag ctggcgaggaa catggtcgca 240

cgtgtcagcc tcttccgcca ag 262

<210> 46737
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039149H1

<400> 46737

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ggacggacga gaactcctcg gtgatggagg ccttcatgcc atcctccgat ctctcctcca 120
 tctggcccc tcccgctcct ccgcagccgc aatccacggc ggtcttcaat caggacaccc 180
 tccagcaccg cctccaggcc ttaatcgagg gcgcccgaga gacctggacc tacgccatct 240
 tctggcagtc ctcttacgac tattccggct ccactc 276

<210> 46738
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039150H1

<400> 46738

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 atcccgtaga agtgtttgac aaagcagact actatgcaca tcttgagcat tacaatcca 120
 ctttccatga aaaaatagca ccatatgcat ctgttattgt caattgcatg tattgggaga 180
 agagatttcc tcaattgctg agctataagc agatgcaaga cttaatgggc cgggggagcc 240
 cccgtgttgg aatagctgac ataacgtgtg a 271

<210> 46739
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039151H1

<400> 46739

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 ctctgtttta ttgcagatt aatggtgtaa tttttgttca tgatctttca caaagaagaa 120
 caaagactag cttgcagaag tgggcagctg agattgctgc aactgggaca ttttcagctc 180
 ctttgggatc tgggtggtcct ggtggccttc ctgttccata tatttttatt ggtaataaag 240
 ctgatattgc tgcgaaagag ggtacaagag g 271

<210> 46740
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039152H1

<400> 46740

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 tcactctcta gattctcacc tatctctctc tctctctaaa gttcaaagtt ttgtgtgttt 120
 tccccccgag tctttctctc tcttgctgtg gacttggtga atgctggggt cagagacttc 180
 tgagacatgt tctagcagac tttgttgtaa ttgggtcact ggtttctgtc ataggtggta 240
 gagaatctga gtcctcagag atctaagc 268

<210> 46741

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701039154H1

<400> 46741

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 ggcagctatt caagcatttg tgcttaaata cattattttc ttcagtgatg agttgaaaga 120
 tgtgtcatgc atgtcacaga agggtcggg tgcagcattt aaaagtcagt ctgttccatc 180
 aaataatttt tcttcgtca ctgaagggtga aaaagtaaga gctcttgtaa aaagtatggg 240
 tgaaatttta ttttcatgtg gaagtaa 267

<210> 46742

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039156H1

<400> 46742

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 gaaaagggtc acatcagtat tgtggtcatt ggccatgtcg actctgggaa atccactacc 120
 aactggtcac ctgatttaca agcttgagg cattgacaag cgtgttattg agagggttga 180
 gaaggaagct gctgagatga acaagaggtc tttcaagtat gcctgggtgc tggacagact 240
 taaggctgag cgtgaaaga 259

<210> 46743
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039157H1

<400> 46743

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 tccctctctt tottagtgcc tacctgccag aagtcaaat cgccaagaa actgtcctat 120
 tcacatctgc atcagtgaac gaggggcacc ctgacaatct ctttgaccag atctccgatg 180
 ctgtgctcga tgcattgctg gagcaggacc ctgacagcaa ggttgctgtg gaaacctgca 240
 ccaagaccaa catggtg 257

<210> 46744
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039158H1

<400> 46744

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 ccgccgccgc cttcagctca tgatgtacaa caacatgtac cgcataatgt tcgaccggag 120
 gttcgagagc gaggaggatc ccatcttcca gaggctaaga gccttgaacg gagagaggag 180
 tcgcttggcg cagagctttg agtataacta tgggtatttt attcccatct tgagacgctt 240
 cttgaagggt tacttgaaga 260

<210> 46745
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039159H1

<400> 46745

cctcgagccg ctcgagccga atcggctcga ggttgggtcg ttcccagcaa ttgttagtat 60
 gctgcaaggg ccagttcta gtggcactga tatgaaacac cagtcttctt tgaatcatgt 120

gcaaaatgca gtagatttct gtttgcaga ttatagggga tcttctggtg agactgcatg 180
 ttacgtggt actggtcata atgttcagag cttcagtggc tggaatactg gtgaatctag 240
 ttcaagactc aatctgatca ac 262

<210> 46746
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039160H1
 <400> 46746

gtgtcattta cgcttctctt ctctgcagca actatgccta accctaaggt cttcttcgac 60
 atgaccatcg gcggtcaatc tgctggcgc atcgtgatgg agctctacgc cgacgtcact 120
 ccccgccacg ccgagaactt ccgcgcgctt tgcaccggcg agaagggcgt agggcgaggc 180
 ggcaagcccc tccactacaa gggtcgtcc ttccaccgcy tgatcccgag tttcatgtgt 240
 cagggtggcg acttcaccgc cg 262

<210> 46747
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701039161H1
 <400> 46747

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 gggtaagct tgatcaaaga ggagaagggc aaggagcgag aagctcacat gctatagcca 120
 tagtagcaca gaaggtgtat gcatttggtg gcgaattcgt gccacgtgtc nccgttgata 180
 acaaacttca cgtgttcgac ctagagactt tgacctgggt cgtggctgat gcatcagggg 240
 atgccccanc gccacgtgtc ggtgtcacia tggc 274

<210> 46748
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039162H1

<400> 46748

tcgagccaca ctgagaggaa gagggagtga gagtgttctt cgtttgctac cttctctcac 60
 aaatgggttac gttcaggttt caccagtacc aggtggtcgg gagggctctc ccaacggaag 120
 cagatcagca tccgaagatc taccgaatga agctctgggc caccaacgag gttcgcgcca 180
 agtctaagtt ctggtatctt ttgaggaagc tgaagaaggt aaagaagagc aatgggtcaag 240
 ttcttgctat caacgaga 258

<210> 46749

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701039164H1

<400> 46749

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 attcgagaaa ctggacaggc cattgatcgt ctcggttccc gtcttcaggg cggttactac 120
 ttccaagagc agctctctag gcatcgaact ctgatgaaca tatttgataa ggctcctggt 180
 gttgataagg atgtatttgt tgcgccaaagc gcctccgtca ttggagacgt tcaacttgga 240
 agaggatcat ccatttggtg tgg 263

<210> 46750

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701039166H1

<400> 46750

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 gcatgggggc aacaccaata acgatgataa cagcaaggat tccaaggctg ctggcgacaa 120
 gagattcaaa acgctgcccc cagcagagtc tcttcctagg aatgaaacca ttggaggcta 180
 catctttggt tgcaacaatg ataccatggc tgagaatctc aagagacaac tctttggtct 240
 gcctccacga tacagagatt ctgttcggg 269

<210> 46751
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039167H1

<400> 46751

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 cccattggac cttcggacgt aagaacaagg tcagcagtgc ttaagcagtt taaggaaatg 180
 tgaacgtgca gaaggagcca atgatgaagt aaaagggaag acgaaggact caagcaccag 240
 ctggatgcaac ttcccccttc ttcacataat g 271

<210> 46752
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039168H1

<400> 46752

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 aataaaaaac catagaatag atagagttat tactccctat aacatgtggc agtgatttgg 120
 agatggcaga cttaccaggg tatcttcatg cctgtttgaa cacagggaag cttgcctcct 180
 tggcaatttt ggtgtctgga ggaatcgtct tgcaaatttt ggcattgtgcc ttgtataata 240
 actggtggcc gatgctgagt gtgtta 266

<210> 46753
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039169H1

<400> 46753

tgccatttca atccccagtt tcttcttcaa cgtcctctta cgagcagatc ccaattctcc 60
 ttcccagttt caaaccttaa ttccctcatt cccatggcct cagaagagcc cactgtcgcg 120
 gtggaaccgg ctcccgaacc tgccaccgcc gagcctcccc cggaggagaa ggaggagccc 180

aaacctgaag ccaaggctaa gaaaaccaag gaacccaaac ctaaaaaggt ttccagacca 240
cgcaaccctc ccactcatcc ttcctacgag 270

<210> 46754
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039170H1

<400> 46754

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tcgggttcac tagcctcttc accattctgt gcctttccac ggaggccagt ggatgttcca 120
ttcggcagaa actacgttcc cacttgggct tttgatcaca tcaaatactt caatggaggt 180
tctgagattc aacttcatct tgacaagtac actggtactg gcttccagtc caaaggggtca 240
tacttgtttg gtcacttcag catgaac 267

<210> 46755
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039171H1

<400> 46755

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ttgccatttg tatatttgat gatgttgctg agcatggctg tgaagctgct cttaaattatt 120
atgattctct tcttccattc ttacttgaag cttgcaatga tgaatatcca gatgttcgac 180
aggctgctgt ttatgggtgtt ggtgtttgtg ctgagtttgg tggatctggt ttcaaaccce 240
ttgttgagga ggcactttca aggtt 265

<210> 46756
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039173H1

<400> 46756

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 ggactacttg ttttgtttgt cattgagcta tatcgctgtt aattaggatt ttgtttcaaa 180
 atgatgctta taagttgtaa tctaggattt ctcccattga aatcctaggt tgttcttgac 240
 atttgctatt tcaaagaata aatat 265

<210> 46757
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039144H1

<400> 46757

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 gagagccatg tccatgcac gctacctgag gaagattatt gggaagctgt ttggccaaac 120
 actcccattc ccactgcact gcgagagctt ctaaagccac tccctgcagg tgttgaaatc 180
 gatgaactcc ctaagcaa at tgatgataca cagtacccaa aaacattctt ctataaagaa 240
 gaccttcac caggcaaaac 260

<210> 46758
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039117H1

<400> 46758

ggaaatgttg cagccttcat atctgaagcc atacaggag tggggggtat cattgaattg 60
 gctcctgggtt acttgccagt tgtgtacaat gccattaaaa aagcaggagg actttttatt 120
 gctgatgagg ttcaggctgg ctttggtcgc actggtagcc atttctgggg atttgaggcc 180
 cacaaatccg ttcctgacat agtcacaata gctaaggga ttggaaatgg cattccccctt 240
 ggtgctgttg taactactcc agagattgca gaggtctta 279

<210> 46759
 <211> 280

<212> DNA
 <213> Glycine max

<223> Clone ID: 701039118H1

<400> 46759

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 gtatcctacg cgcgcatgcc tcgggtcaaa atccgcgagc tgaaggacga ctacgccaaag 120
 ttcgagctcc gcgacaccga cgcgagcatc gccaacgcgc tgcggcgcgt gatcgatcgc 180
 ggaggtgccg acggtcgcca tcgacctcgt ggagatcgag gtcaactcct cgggtgctcaa 240
 tgacgagttt atcgctcaca ggctgggcct catccccctc 280

<210> 46760
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039120H1

<400> 46760

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 aggaagttaa tgtggttcaa accaagaatg gaactgttgc agtagcttct gcgtttgctg 120
 gacataagga agctatacag caaagggacc acaaattttt aagaattgct gttgaagaag 180
 cctataaagg ggtagactgt gaagatgggg gtccctttgg tgctattata gtatgtaatg 240
 atgacatagt tgctcgatgt cacaacatgg ttctg 275

<210> 46761
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039121H1

<400> 46761

gcggaaaacg ttgttgagtt cacagactta cccgtcaaga ggccaagaga agaagaagaa 60
 ggaaccaatg gcgtctccaa cgacgccgtt tcagcgctcc ccaatgaccc tcaataccct 120
 ggcattctctg cggttattcc cggttgggtc tccgaaatca gcccaatgtg gcccggggag 180
 gcacattcct tgaagatgga aaagattttg tttcaaggga agtctgacta tcagaatgtc 240

atgggtcttcc agtcatcaac atatggcaaa gt

272

<210> 46762
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039122H1

<400> 46762

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agatgggttc aaaaaccaag actttttacct ttgaagaggt ggctaaacac aatcacagga 120
aggattgttg gattatagtc aaaggggaagg tgtatgatgt caccctattt ttggatgatc 180
atccaggagg tgatgaagtt ttagtgactg caacagagaa ggatgccacc actgattttg 240
aagatattgg ccacagtgat tcagcaacac ag 272

<210> 46763
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039124H1

<400> 46763

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aatggtggtg ccattgctct tggacatcct ttgggcgtta caggtgcacg ttgtgttgca 120
actttgttga atgagatgaa acgcggtggc aaggattgtc gctttggtgt aatctcaatg 180
tgcatagggt caggtatggg agctgctgct gtatttgaac ggggggactt ttaaagattt 240
gtgcaagttt agaatagttc ataaaaataa 270

<210> 46764
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039125H1

<400> 46764

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ggtgaacaag gagaactctg gatcagagga ccttatgtta tgaaaggta ttctggtgac 120
 ccaaaagcaa cttcagcaac tttggtggac ggggtggtaa ggactgggga cctctgttat 180
 tttgatagca aaggtttctt gtatgttgta gataggttga aagagttgat taaatacaag 240
 ggctaccagg ttgctccggc agagctagaa 270

<210> 46765
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039127H1

<400> 46765

taagaagaga gagaaagaca gaatgaatga ataaataatc atgcactctc tttctattct 60
 tcttctttct atcataacat aactatgata tcaacaccat ataataatta atagcaataa 120
 tttagtaata ctctcttcat tgtcaattcc atcttcactt cacttcactt ctctgttctg 180
 ttgaatattc aatcattcgc aaaacgcata ctttgctctt cattctcagc ttttttcttg 240
 cattcttaat tctccgtttt cc 262

<210> 46766
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039128H1

<400> 46766

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 gcaattcgct cttcggttcg cacctcaata cctgtctctc tcaaccaaac cttacagatc 120
 ttcttcccaa ccatcattct ttttcacgaa gcggcgtttg tattggcca atatcacatg 180
 agtcgattca ttgcatttct tctctctctt tctcctgttg atgtagtta gcacctaaga 240
 atacagact 249

<210> 46767
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039129H1

<400> 46767

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 accaaattga aagaagatcg atcgatcgat cgatggctct ggtcggagtt gaagtgaagc 120
 atgcgcgcgg agggcgcacc ggaggagaat tgctccgcca agcccaccaa gcagggcgag 180
 ggcctccgcc actactattc tcacaacatc cagcagcatc agtcctttct ccgtaaaaag 240
 acgcataacc tcaaccgtct tga 263

<210> 46768

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701039130H1

<400> 46768

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 gctgggtaca gcacaggtac tggattgggt gctgagatta ttggaacctt tgttttggtc 120
 tacactgtct tctctgccac tgaccccaag aggaatgccca gagattccca tgtgccggtt 180
 ttggctccac ttccattggg atttgctgtg ttcattgggtc acttgccac catcccagtc 240
 actggtactg gtat 254

<210> 46769

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039133H1

<400> 46769

caatcattga agggtaattc acgagctctt gcaactgtca cagcaatcat tgacggaacc 60
 ggttctatag gggctgcagt tggaccttta ctaacagggtt acatatctgc aaagagctgg 120
 agtgctgttt tcacaatgtt gatggcagca gctttaattg cagggctgct tttgaccagg 180
 ctagtcgtgt ctgaggtggc cacaagatt gaagagtcaa ggtataatag agcacaagac 240
 tgttcattca atgtataaga ataaacctaa agggtcacag 280

<210> 46770
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039134H1

<400> 46770

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 ggcactctttc atttactctt ctttggtgct tctctttctc aattaccctt tcctttccct 120
 ctcaaccaac cctgaaggga acgctctgca tgctttgaga agcaggattt ctgatcccaa 180
 caatgtgttg cagagttggg acccaacact ggtaaatccc tgtacttggg tccatgttac 240
 ttgtgactcc aacaatcatg tgattcgctt agactt 276

<210> 46771
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039135H1

<400> 46771

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 cgatcgtgct cctgttcacg gtctttgccg tttctccgc cctagacatg tcgataatct 120
 cgtacgacag cgcccacgcg gacaaggccg ccacgttacc gcaccgagga ggagctgatg 180
 tccatgtacg agcagtggct cgtgaagcac gggaaggtgt acaacgcgct cggcgagaag 240
 gagaagcgct tccagatctt caaggacaac ctgcga 276

<210> 46772
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039137H1

<400> 46772

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 aacagacatg ggtttgaagg aggattttga gcagtatgct gagaaagcaa agactttgcc 120

0053113 032200

accgactcaa tcaaacgaag acttgcttat cctttatgga ttgtacaagc aggccaccgt 180
tggacctgtc aacaccagcc gtccgggaat gttcaacatg agggacagag ctaaattggga 240
tgcattggaag gctgttgaag ggaaatccaa g 271

<210> 46773
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039138H1

<400> 46773

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aagcgcgga gttcatcat gagggaccag cttccgtaca gcggcgccgg caggaactac 120
cttaacctct ccaaattcag agacaagagc aaccccggtg gctgggaact ctcttcttgg 180
gtacgatggt acgctaaaca cgtggaacag cttctctggg cttccagaat tgcggttc 240
ttaccgacgg aaaaagagag agtttcgggt c 271

<210> 46774
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039139H1

<400> 46774

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tccgacatga atattgtcga aagtaccata acattgaagc ttccacaagg ttccaatgat 120
gtcttgctca aaaatttgta cttgtcttgt gatccgtata tgaggaatct catgaacaag 180
cccgaaggcc ctcccaatag tcgtgcttac actcctggct ctccattaat aggatatggt 240
gtgtctaaag tcttggaaac tgggcaccca 270

<210> 46775
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039140H1

<400> 46775

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 gatgtgtcgc tgggagcgaa caagttcccc gagagacagc cgattgggac ggcggcgag 120
 agccaagacg acggcaagga ctaccaggag ccggcgccgg cgccactggg tgacccgacg 180
 gagtttacgt catggctcct ttacagagca gggatagcag agtttgtggc cacttttctg 240
 tttctataca tcaactgtctt aaccgtcatg 270

<210> 46776

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701039141H1

<400> 46776

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 tgaagcttcc attattcaaa agttgcctgt gcttcttcaa cccgtggctg caaatggcaa 120
 aaaagtcccc ctccgacaaa gaaaactgat gtgtaatgat gactgtgcta agttagagcg 180
 gaaaagggtt cttgcagatg cttttgagat taccgtcca aatctggatt cactccattt 240
 tgggtgagaat tcggttgctt ctgaattgc 269

<210> 46777

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039142H1

<400> 46777

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 tttcttgggt tatggattta tttgagcata aatactactt agaggactta ggttgcagat 120
 ttgtttagc atctttactg cttccagaac ttaggattca gactttctat gtatcaattc 180
 tacttccagt tttgttagta gaacgggagg acgcttccat ttctgttctc taaaccgagc 240
 ttaggttttg gtcagaatct tcaaa 265

<210> 46778
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039143H1

<400> 46778

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 cttccaaagt tacatgcgaa atagaagcag ataaagtttc acctattatt gacttttccc 120
 tcaatcggaa cagtttccct gaaggcttca tctttggggc ggcacatcc tcctaccagt 180
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 atatccagat aagatcaagg atgg 264

<210> 46779
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039116H1

<400> 46779

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 tcttccttca cctttttatt gcaagaaaaa aaaaatgagc accataagca tggtagaggc 120
 aaagctgcc aaggattca ggtttcatcc aagagatgaá gagcttgtgt gtgattactt 180
 gatgaagaag gtgcaacaca atgattccct tctcttgata gatgtggacc ttaacaagtg 240
 tgagccatgg gatattcctg aaacagcatg 270

<210> 46780
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039078H1

<400> 46780

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 gcttcttctt caccatattc tccttctttt ctcagattca gcagtaacta tgaatcgctg 120
 tgcattgccc aaatccattg cccagcgttt cagaggcatc caccacagcc cgcggaacca 180

gtggtgtaat aacaaccgtt gcgaaacgca ggtccaaagt gctgggcccg tggcttctct 240
cctcaagtcc cggtccg 257

<210> 46781
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039079H1

<400> 46781

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tatgcaatgc agtggctgtg gcaaaaatat taaatgccac tcttattttg cctgttttga 120
agcaggacca gatttggaaa gaccaaacga aatttgaaga catttttgat gtggatcact 180
tcattgacta cctgaagtat gatgttcgta ttgtccgtga tatcccagaa tggtttaccg 240
ataaatcaga gctattta 258

<210> 46782
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039080H1

<400> 46782

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gctgaagaaa tcagtgcag cgctgaccgg ctgagccgtc gctgaaggaa ctcaaattgt 120
gtaaggtgaa ggggtgaggac ttcacgtggc acatcagcaa cggtgagacg tgggtgagtt 180
cggctttgac cgatgagagc acttgccggc atgggttcgc cgggaaggcg ccgaatggga 240
agattaagga ggcgatt 257

<210> 46783
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039084H1

<400> 46783

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 caagaggctc gtcaagctaa cgctctcgct cctccgcctc ggcttcaact cctccaaatg 120
 caaaacggca gcgaagatgg cgggtggcgag gatcaagctg ctgcggaaca agagagaggt 180
 ggctcgtgagg cagatgcgac gcgacattgc ccttcttctc cagtctggtc aagacgccac 240
 cgctcgcac aggggttga 258

<210> 46784
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039085H1

<400> 46784

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 agatagctct tggtaacttg gatgactctt ttagcgctgc ctctcttaag gcttatttcg 120
 cagagttcca cgcaactctg attttcgtgt tcgctgggtg tggatcagcc atcgcttaca 180
 acgagcttac aaaagatgca gccttggatc caacggggct ggtggcagta gctgtggcac 240
 atgcatttgc actggt 256

<210> 46785
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039087H1

<400> 46785

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 cagaaaaccc cttttcggat cgggtggagcg aacctcgccg gcgagacccc cgaggctggt 120
 caatcggcga tcgagcaacg gcgaaaagcg acgaagatga aggttttcgt gaagactctc 180
 aagggcacgc acttcgaaat tgaagtgaac ccttcggaca cgctttctga agtgaagaaa 240
 aatatagaaa ctgttc 256

<210> 46786
 <211> 260

0953113.032200

<212> DNA
<213> Glycine max

<223> Clone ID: 701039088H1

<400> 46786

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atccttgatg aaatagaaac accagaagaa cccaacagtg ctgccgaatc ccctgttggtc 120
tctccacttc cacttggtgc agaatcccca gttgcggaag tcaaaggagt tgaccaacaa 180
catcacacgc tctcattttt catgcacgac attctgggag gctccaaccc cacggccaga 240
gctgtaacag gcgtggtgac 260

<210> 46787
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701039092H1

<400> 46787

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ctgattcagt ttctaggtat tctcgatttc aatttctcta tctggttttg tctttgaatt 120
gttctgattg taaattttta tgtaagatt ggattgttta tttcattagt atgttgaatc 180
atgttattac ttatcgggtc tggttatgag tgtatagggt tagtaaggga tttggttctt 240
ggcgatgggt 250

<210> 46788
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701039093H1

<400> 46788

ccgacttgca aaatatttac ctgactcctc atctgatggt atgtctatct gttttttcgt 60
tatttaaatt gtttgtgtat atgatattta ggacttattt atttggtggt tttagtccat 120
taaacattca ttttagcctg atttctcctt tagatttatt tggtgataac ttttaaaaat 180
gttgatagaa gggaaaaagg ccgacaagaa agaaacaggg gatatgcttt ccaatcttga 240

tggttcacgcg tga

253

<210> 46789
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701039094H1

<400> 46789

ctttcaatta tccaacagaa ctgaagatat cgtagctgga aacgtctagc acccaciaat 60
gggtaactcc catggacacc ggcacgcaa acacggtaac tccgttctc ccaacacggg 120
tctctctccc tataaatata atctcaccc aaccacctcc aattccacca tgctttctct 180
tccttacacc cacgtcgaca ccacctccg ctccctcgcc gcccaagccg agggcttcgg 240
tcgcttcgct atcg 254

<210> 46790
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701039095H1

<400> 46790

ctttccggca acaagcgacc cctgccgtcg aattccgga cggatttaaa acgatcgcat 60
tcggaagttg tgagcttgat gaaggggtgc tcgcaggttt ggcagaagct tatgaaacac 120
aaacatgggt ggatcttcaa cgctcccggt gatgttggtt ggttgcaact taccgattac 180
tacgatgtaa ttaagcaacc catggatctg ggaacggtga agtccaatct ttccatgaac 240
aagtacac 248

<210> 46791
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039096H1

<400> 46791

agggggtttt caatcccaaa tccaaaaatc cttgtctcag agatgatcta attctaaaga 60

<223> Clone ID: 701039103H1

<400> 46794

cagtttgaaa atggtacttg tgctatggtc aagagggact aagaacatgg acttcctaac 60
 cctcttcact cttctactct tgttattcat tcatacagca ctctcttcta cccaatatca 120
 tgatcggaac atcttactca ctcacgtaa gatcttcccc aaacaggaag ctatcacctc 180
 gtacgctgtc atctttgatg ctggtagcac tggtagccgt gtgcatgtct tccatttcga 240
 ccagaacttg gatctccttc gtattggcaa cgaactcga 279

<210> 46795

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701039104H1

<400> 46795

gacgattcag atcttagggg ttcttcttct tttctttctg tggagcccca ttgaccatag 60
 ccgccagcca gagagagaag agaagccttc ggatcgtagg ttttcttacc ctcttttctc 120
 ccaaatacggg cctttccgct tctcgattcg ctccgcagc tgagcgatct ggaaaaccca 180
 gaaaagaacc aaccgaacgt tttatatgtt tcggataatc aatcaattga agatgtctcg 240
 ttgcttccct tttccccctc ctgggtatag ggcacg 276

<210> 46796

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701039109H1

<400> 46796

ctccgctcaa caactataag attatcttct tcttcttctt ctcttcaatt cttctccaat 60
 cccaaccgca cctcttccg tccctttctt cacacttcct tcaaaccact tccttcgtct 120
 ttctctttcc gaacagatca cactatggcc acctcaaacg ccaaatcagt ccatgatttc 180
 accgttaaag atgccaaggg aatgatatt aaccttggtg actacaaagg aaaggctcct 240
 atcattgtca atgttgctc acaatgtggc ttg 273

<210> 46797
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039110H1

<400> 46797

ccgntcaggg tcagtctctc tctctctctc tctcctcagc tgtgtgatga ttcatttact 60
 aaaccaccca ttctccttgt ttccattgct gcttcattgt tttttaagca attccgagca 120
 ttgatcaaat gggtttttggg tcaacttccaa ttttctgaaa cagcgtactc tcaaaaaaaaaa 180
 tatctgatca catTTTTctac ttctgcaaat tctgcatttt tttccctctc tttctttctg 240
 ggggtgtctgc agaacaaggg aatctcaca 269

<210> 46798
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039111H1

<400> 46798

cgaaaactcc tccaccgtgg ctccgggaac actctacaaa gctctgacaa aagatgctga 60
 cactatcatc ccaaagatta ttggggccat ccaaactatt gaaatcgttg aaggaaatgg 120
 aggacccgga accgtcaaga agataacagc tagtgaaggt gaccaaacca gtttcgtgct 180
 gcaaaaagtg gatgcaattg acgaggctaa cttggtatac gactacagca tagtgggagg 240
 gacgggggttg catgaaagtt tggagaa 267

<210> 46799
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039112H1

<400> 46799

gatatataga aaaacaaagg agaaaagata gaaatggaga agtttccagt tgttgacatg 60

gggaacctta ataatgaaga gagatcagca accatggaga taatcaaaga tgcctgtgag 120
 aactgggggtt tctttgagtt ggtgaaccat gggatatcca tagagttgat ggacaccgtg 180
 gagaggatga caaaagagca ctacaaaaag tgtatggagc aaagggtcaa agaaatggta 240
 gcaagcaaag gtttggagtc tgctca 266

<210> 46800
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039113H1

<400> 46800

ggctaattct tcaactctgt tcttcggtct cctcctattc tccgctgccg tagccaccgt 60
 cgaacgaatc gacgatgaag acaaccttct gatccgtcaa gtggtgccg acgcggagga 120
 ccaccacctg ctcaacgcgg agcaccactt ctccgccttc aagacaaagt tcgccaagac 180
 ctacgccacg caggaggagc acgaccaccg cttccgtatc ttcaagaaca acttgctccg 240
 cgccaagtcg ca 252

<210> 46801
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039114H1

<400> 46801

ctctctcggt ttttctcaaa aagttgcaag agttaagca aaaaccaaag tgagagagaa 60
 aatgatgaag ccatcgatgc tcagatctct tcaactctgcc gccaccgcg gcgcctccca 120
 cctctcccg cgtggctacg cctccgagcc ggtgccggag cgcaaggtgg ccgttctagg 180
 tgccgcgggc gggatcgggc aaccctctc ccttctcatg aagctcaacc ccctcgtttc 240
 cagcctctcc ctctacgata 260

<210> 46802
 <211> 264
 <212> DNA
 <213> Glycine max

002223.032200

<223> Clone ID: 701039115H1

<400> 46802

gcgctatgat ggttggagtt ggaacctccg tcttctttcg atgaattcga ggaaatcctt 60
 ttatacttaa ttaacactta acaaacacac aatctcattt tgtttctctt caatccaaac 120
 gcattcacat tcacattcaa tcaatgatgg ctacagcttct ccacactccc ttcattcccct 180
 cctcctcctc cgcgctccgc cgcgcgcgcca ccattcccca ccgcaaaacg acctctcgcc 240
 tcgctcgttcg ggccaagatc cggg 264

<210> 46803

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701039076H1

<400> 46803

gcggaatcag ctagaatttt ctaataatgg ccaaagacgt tgagcagggtt acagagcaag 60
 gtgaatactc cgcgaaggat taccatgacc cacctccggc gccgttgatc gacctcagatg 120
 agctcactaa gtggctccttg tacagagccg ccatagctga gttcatagca aactcctttt 180
 tcctttacat caccgtgttg accattattg gctacaagag acagagtgc accaaaatcc 240
 ccggtaacac cgag 254

<210> 46804

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701039044H1

<400> 46804

cggctcgagg tttttgctgc caattccctt cccttgcattg acaagtttca atatttccaa 60
 tttcaagatt ccaaaacccc ttattattat ttgtttattt ttatctcttt tgtactttgt 120
 tctctgtaga gtaccagatc tttgcattcc ctggttataa ttccgaggct ggtttcttgt 180
 taggaccgtt aacttcttct catggctcat cgctacgata gtaaccctt cgacgaagaa 240
 gaagtcaatc ctttctct 258

<210> 46805
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039045H1

<400> 46805

cttggtgaat tcggaatac catcaaacca tgatgagttg tgaacaaccg ggatggagtt 60
 taacaggttag tatgatggtt ataaagcaac tgaggaagtg gtgccctaag ttttgtatgc 120
 tagagcttac acaaatataa tattggggga ggtgagggag aggctagaaa ctgattcgac 180
 ttgggattga taatccacat ggttggtccga gtttgcaaca ttctaataatg cttctcccat 240
 tgcacatttt tcctttattg aactcaatta c 271

<210> 46806
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039047H1

<400> 46806

attcttggga gataacagtg aggaatatac tcctagtcta ccaaagatta tttttgctca 60
 ggctactgga gggatcattg ctggtgctac tgcacctgc attacaaacc cattggatac 120
 tatcaagaca cgattacagg tgctgggact tgaaaagaaa atccctgtaa aacaagttgt 180
 taaagatttg atcgctgagg atggttggac aggtgtatat agaggattcg gtccaagact 240
 tttcagcacg tcagcatggg g 261

<210> 46807
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039048H1

<400> 46807

aagccgcagt gaaccaaacc atcatcatcg cgttaccgga ataatcgacc catcatcaat 60
 tagatcgaaa tgaaggatga ggacgggctt ccgacgacga ccgcggttac aaagaaggaa 120

aacttgatt cgagtctgtt tggaaaaggc aggtacaaat tctgggcgtt agcggccatc 180
 ttgcttctgg cggtctgggc catgttcacc ggtaccgtct cgctccgctg gtccggcact 240
 ctcaattccc tttccaacga catc 264

<210> 46808
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039049H1

<400> 46808

atcgtatatc gcctctatta tcccgttaagg ataatccccg atgttcccag tgaagctgct 60
 gactaaaacc attcagggat tatecttacc aaataatagc tcctcttctg gatcattggc 120
 cgtatattgg aattttcatt ggtataatag ggtattttct taattgcatt tacaggcacg 180
 tgttcaatat tttgttttac ccgaacaaac taatccgtag gagcagtttc aaaattcctt 240
 tttagtggct taaagtagat tggtaa 266

<210> 46809
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039050H1

<400> 46809

caattacaga gcattttcca acacgattac acgaccgaat caaacccttc tttctctccg 60
 aagctgcttt taatatcgta ctggccttcg attgttctcc tctttaatac atactgttct 120
 ctcttcgatt tgagggaaca gtacaagagt ctgagcatcg gttaacccaa ctgcacaggt 180
 agtctccaaa taatggagcc tcatgatgag actggatgcc aggtctctga acgccccatt 240
 ctttgcatta ataattgtgg cttc 264

<210> 46810
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039051H1

<400> 46810

aaaagggagg agccaagagg cacaggaagg tgcttcgtga caacatccag ggtatcacca 60
 aacccgcaat tcggcgtttg gctcgcagag gtggtgttaa gagaatcagt ggtctcatct 120
 acgaggagac acgtggcgtc ctcaagatct tcctcgagaa cgttattcgc gacgctgtta 180
 cctacaccga gcacgctaga agaaagaccg ttaccgctat ggatgttggt tatgctctca 240
 agaggcaggg caggactctc tac 263

<210> 46811

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701039052H1

<400> 46811

aaacactctt cttcatatct ttcttcttct tcttgttctt gttctatctg tgacgagcat 60
 catggcctcg agagcagtgc tattgttggc tatgtgtgtg cttccggcca tggttgtggc 120
 cattcgccca gcaaagaacc ctttttgctg gaagggctgc gtctactgtg acccttgccg 180
 tgctggtttt gagacctcag caaccaccta cattgccggt gctgagatta tgttgcaatg 240
 caagagcagg gtttagcaacg 260

<210> 46812

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039053H1

<400> 46812

aaaataactg catacatctt ccatccaact atatatcaaa acactctatg gcgaggtgtg 60
 aatccgtttc cagcacaatg cccctgaatg caaaaatatt aatagcaatt atattccttg 120
 cattcgcaat cacggctacc acttcaactc gaatgcttga tgaaatagaa acaccagaag 180
 aacccaacag tgctgccgaa tcccctgttg tctctccact tccacttggt gcagaatccc 240
 cagttgcgga agtcaaagg 259

<210> 46813

<211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039054H1

<400> 46813

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 cagccaaatg agcaatcaga gaaagttcgt agctgatgga gtgtttcttcg ctgaactgaa 120
 cgaggttctg acaagggagt tagccgagga cggatactcc ggcgtggaag ttagggttac 180
 gccgatgcgc accgaaatca tcatcagagc caccagaacc caagccgttc tcggtgagaa 240
 gggaaggaga atcagggaaac t 261

<210> 46814
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039055H1

<400> 46814

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 tacgcaataa cgccaagctc gatctcaaata taatatatca tttattcctc ttaatcaaata 120
 attaaataag aaaagatggg agagatgtca aacttccaat tgggtgtgat tgggtgacta 180
 tttctctcgg tggcttcttc tgtctccatt gtcactgca acaaagcctt gatgagcaat 240
 cttggcttcc ctttcgccac a 261

<210> 46815
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039058H1

<400> 46815

gacggaacac cattttgctt aaactccatt gatcttatag agagtacaac agtcgccccaa 60
 tcaagcttca gcaaatttgc catgactatc cctgagatca aatctggcag tggcatattt 120
 gcattcaact tgacatggaa tgatataaaa atcttgaccc cctcaatatt gaaccctttt 180

gcaaaataca gattgttcag gaatccaaga tctaagaatg ctgggacatt gttggcatta 240
tcagatttct tgtcctt 257

<210> 46816
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039061H1

<400> 46816

ctgggtcctg accagcccgat gatcctccac atgcttgaca ttccctccagc agcagagtcg 60
ttgaatgggg ttaacatgga attggtggat gctgcattcc ctctttcttaa aggtgttggt 120
gctacaaccg atgtgggtga ggcattgact ggggtcaata ttgcagtgat ggttgggtgga 180
ttccctagaa aagaaggtat ggagaggaag gatgtgatga ctaagaacgt ctccatttac 240
aagtcccagg cttctgc 257

<210> 46817
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039062H1

<400> 46817

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attcattggt ttctgcaaaa gccttcactt gagttctctt gatgttggtg tgattcgtga 120
aggcagtga aatgcatgtg tgtccattgg gtacgtggat gtgcacgtgg gaatttgaat 180
ttggagtga cgatgagcca cattcaaagg gatagaataa aggttctttt tcttatatgt 240
tgatttggag tggggta 257

<210> 46818
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039063H1

<400> 46818

002220.ET.2560

gaaagacatt aaaatctact tttgtcagca gagcctctga attcttgaga aattatcttg 60
ctagtttggg ggacttcatg ataagtata aaagttactc ttctcagcgg ggacagttaa 120
agatgcctga tcatgctgac ctgcggtact cctgcaggac atatgcacgt cttctgcaac 180
atttgaagag tcttgacaag aattgtcttg gtccattgat caaagcttat tgcagttctc 240
taaacttgct tcttcgcaga ga 262

<210> 46819
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039064H1

<400> 46819

caattcggat agaactcgag tagaatcggg tcgatagccg aaaaaaaaaa gtaacttatg 60
tttgtttaat tgacttatga gtataggaat ggacacagtg atggacgagg aagaatacaa 120
ctatagagaa gtgaggtctc cttctctgat agcagtggg ggcgagccag agctggggag 180
ggaaacaggg gaaaggagaa gaggaaggga cataataata gccatagatc atggccccc 240
taccaaacat gctttcgatt gggctctggg tcacct 276

<210> 46820
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039066H1

<400> 46820

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cataagaaaa agaaacacac aaaagagaaa caagttgta gccacagcaa aagtcgatgc 120
ttactagtct tagttaggcc tcagcgtcag ttcataaaaa cttttgcttt tataggaatt 180
ttgctcaggg aggattcttg ttgtattgtt gctgatagcc tagaggtgga agtttttagtc 240
tttggttgga actagttgtt ggct 264

<210> 46821
<211> 260
<212> DNA

<213> Glycine max

<223> Clone ID: 701039068H1

<400> 46821

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ccctacgacc ctgataaaat tcacactgct gataaacttg ttattagtga gctgaaaaat 120
ctgtctgaac tcaagcattt ctacagggag aacaacccaa aaccagtgtg tgtttctccc 180
caagactcac gtttagctgc agaaattcaa gaacaacaga gccttctgaa aacttatgag 240
gtcatggtga agaagttcca 260

<210> 46822

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701039069H1

<400> 46822

gcagcgtcca ggtgcatccc cttcctccgt caaaccacg cccatttcat tcttctcaat 60
tcccaattcc aaattagggt tagggttttc acaatctcaa tgaccttctc ttcttccttc 120
accttacaat ccctattcca ctaccgctac tactactccc tttgtcttcg tcgttgctcg 180
tcgtaaggat taatcaatta acctatcgaa tcgtttcagt atcttcttct tcttttctt 240
ccatggacct ctctcaccct 260

<210> 46823

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039070H1

<400> 46823

atttgectca tgactactac ccctgttggt caacgcattt cagaatgctt cgtcaaacca 60
catggtttta cccaactgtc aaaccaaata tgtcatttaa cacaatggga tattgttatg 120
ttgtctatgc actatatcca gaagggtcta ctcttcaaga aaccacacc tcttggtgat 180
caacatgatt tcatagagaa tctcttgag aagctcaaac actctcttct tctcactctc 240

tcccatttct atccttttg

259

<210> 46824
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039072H1

<400> 46824

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cctcacaaaa atggaggcac gtagtttgta ctactagtg tttcttggtc ttgctttggc 120
tattgtgaac aaagtgcatt ggcaagggac gcgtgtaggg ttctattcga gtacatgccc 180
acgcgctgag tccattgtta agtccacagt tacaacccat gtttaattctg atagtacttt 240
ggctgctggg ttgcttcgga 260

<210> 46825
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039074H1

<400> 46825

ctttctcttc gagggtttgg gtttctcttc ctcccttgga gaacaagaag agccaccgct 60
gcgacgccgt tcgtgcattt ttgaggtgcc gctgtcatgt ttgggcgtgg tggaccaagg 120
aggagtgata actccaaata ttatgatatt ctggggattt ccaaaaatgc cagtgaagat 180
gaaatcaaga aggcctatag aaaggcggct atgaagaacc atccagataa gggaggagat 240
cctgaaaagt ttaagga 257

<210> 46826
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701039075H1

<400> 46826

cgagcatcga agctcacgaa ttgaattgaa ttgagtttct ttgtctccag agatgaagaa 60

gggcgtccat ccacagaagc aatggatatc ctacgttaca caaacgggta ggttgatgca 120
tgtgatgatg acaaagatac accctggttg gaaagtttac cacttccgag ctaagcgcca 180
aatggccgag agtttaggac agattgctaa gttcagacgt cgctttgggc tagaaaatcc 240
agagggcaat gaaaa 255

<210> 46827
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701039043H1

<400> 46827

aaaaaaaaatt gttttcgtgt ggaaacaaaa aaacaattca aaaacaaaca tatgatggtg 60
aagccgagta gcgaaaagcc agaggagcat agggattcca actactacaa aggggtccga 120
aagagaaaat ggggcaaatg ggtatccgaa ataagactac ccaacagccg tcagaggatt 180
tggttgggat ctttcgacac ccccgagaag gccgcgctg ctttcgacgc cgcaatgttc 240
tgcttacgtg gccgcaacgc c 261

<210> 46828
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039006H1

<400> 46828

attttgttat tcctatctta tcttaacatt gtttcttga gttgattgaa atggcagtgc 60
aacctgaaat tgagcatccc aggaaggcct atggatgggc agctagggat acatctggtg 120
ttctctcccc tttttggttc tctagaagga aaacagggga gaaagacgtg acatttaaag 180
tgttgtattg tggagtatgc cactcggacc ttcacaagtt gaaaaatgaa tggagtgatt 240
ccatctatcc cttgtccct ggccgt 266

<210> 46829
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039007H1

<400> 46829

cgtaattaaa gtggtgtgac tattgagttc tatgaaatga tgccaccaac aaccacaccc 60
actcattgat tcatttgggt ccctcacttt ccccacttcc tttgtctcca tataaacctt 120
tcacctgtg acccttttcc cactcccaaa cccctctctt cattccaatt ttggcaccac 180
accatgcaa cctcaacca tgcctcaca ttcacattct tcttctctct ctcttgccat 240
tgccacctcc tcaatggcca agaggaca 268

<210> 46830

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039008H1

<400> 46830

acagctgtct gctgtagat ctgtaccgc ctagccattg atttggaata gtccaacttc 60
aaggatgagt aagcttcaga gtgatgctct aagagaagct atctcaggaa tcattggctga 120
ttccaaggaa aagaacagga aatttgtgga gaccattgaa ctccaaattg ggttgaaaaa 180
ttatgatccc cagaaggaca agcgtttcag tggctctgtt aagttgcctc atattcctcg 240
ccccaagatg aagatttgta tgcttgga 268

<210> 46831

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701039011H1

<400> 46831

cacaatacaa gctggaggag tggacatatt aattaagtta ctgacaactg ggcagtctag 60
cacttttagcc aatgtgtgct ttttacttgc ttgtatgatg atggaggatg catctgtttg 120
ttcaaagttg ttgacagcag agacaacaaa acaactcctc aaacttttag gccctggtaa 180
tgatgcccct gtcagggtg aggcagctgg tgctcttaaa tctctatctg cccagtgcga 240
agatgcaagg aaagagatag c 261

<210> 46832
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039012H1

<400> 46832

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gcaccggcag attggagaac cggtcgtcgt tggaggcgga catagcggct gtgaagccca 180
gccacgtggt caacgccgcg ggtgtcacgg gtagacccaa tgtggactgg tgcgaatctc 240
acaaagttga aaccatccga ac 262

<210> 46833
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039013H1

<400> 46833

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aataagtgca attggcaaca ttttgacat tttattggct gcatatctcc ctactttgtt 180
gttagtcctt ttatgaggtg ctaataattc aattttttgt tctttttgga attttgaatt 240
tcatagagtt aaggatgagg tca 263

<210> 46834
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039014H1

<400> 46834

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gctagtgaag acatatatgg tggggaggaa gtttctcttg tccaaccaga cctgtgggg 180
 ttgcagattg atcgtttgca aaaccaactc acagaaaagg ttaaggaact ggcaacttgc 240
 cagagtgaaa tcaaggcctt aag 263

<210> 46835
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039016H1

<400> 46835

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 ctaattccta ttgcttgaca catgaagggtg gttgcaggga aatagtgcc caatatttta 180
 ctattagcta ccttcacccc atgagaagag gaggccctga tctgcaaaat tgccccctcac 240
 catttaatat gccaaatagc actatgga 268

<210> 46836
 <211> 105
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039018H1

<400> 46836

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<210> 46837
 <211> 265
 <212> DNA
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<223> Clone ID: 701039020H1

<400> 46837

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ttt gatg cgc cgataccctg cccgcactcg cagcgccgcc tccaatctca acaacaacaa 180
 cgaaacaatg gatccgatca aaaccaaacc ccgctccaac aacctcttct ctcgtaaccc 240
 taagccctcg caatcgaggt ccctc 265

<210> 46838
 <211> 278
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 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039021H1

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 gcagaaggat cctcctacgt catgcagcgc aggtcctgtg gctgaagaca tgtttcactg 180
 gcaagccaca atcatgggac ctgctgatag cccatatgca ggtggtgttt tcttagtttc 240
 aattcatttt cctcctgact atcccttcaa gccaccaa 278

<210> 46839
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039022H1

<400> 46839
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<210> 46840
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039023H1

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ctttctagtc acagttgggt gggttggtac caaaggtgag gcagaggaga ctcagaaaga 180
 gatggctgaa cacggaagag ttatggcaaa ctgtgtatat gctcccaatc cctaccatga 240
 atgcacggag gcttgcgtgc aaagaa 266

<210> 46841
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039025H1
 <400> 46841

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 ttctctcttg ctcttgcagg agagagccat gtccatgcat cgctacctga ggaagattat 120
 tgggaagctg tttggccaaa cactcccatt cccactgcac tgcgagacct tctaaagcct 180
 ctccctgcag gtcttgaaat cgatgaactc cctaagcaaa ttgatgatac acagtacca 240
 aaaacattct tctataaaga aga 263

<210> 46842
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039027H1
 <400> 46842

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 atgaacaaca gccccttccg caaagctcac agctggtggc attggaatat gctgacctca 180
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<210> 46843
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039029H1
 <400> 46843

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 ccagggtgagc caatggacat catgactgct ctacagcttg tgctgagaaa atctctggcc 180
 tatggtcctc ttgcacgagg tcttcatgaa ggtgccaaagg tgatcgagaa gcatgctgca 240
 cagctctgtg ttctagcaga 260

<210> 46844
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039030H1

<400> 46844

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 gactgatgtt tttggatatg gtgtgatgct tcttgaacta ataactggac aaagggcttt 180
 tgatctagct cgacttgcca atgatgatga tgtcatgttg ctcgattggg ttaaaggact 240
 tctcaaagac aggaaattgg a 261

<210> 46845
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039031H1

<400> 46845

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 aggctgatc atgctgacct gcggtacaag tgcaggacat atgcacgtct tctgcaacat 180
 ttgaagagtc ttgacaagaa ttgtttgggt ccattgagga aagcttattg cagttctcta 240
 aacttgcttc ttcgcagaga 260

<210> 46846
 <211> 260

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701039032H1
 <400> 46846
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 ccttaatgcg gagaatccga gcctgcaggt taacgccgtc acgacgattt tgaacatgtc 120
 aatattggaa gcgaataaga ctaagataat ggagactgac ggcgcgttaa acggcatcgc 180
 gaggttttga tatcgggtgc cacgtgggag gccaaaggcga acgcgggcagc acggtgttta 240
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<210> 46847
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039034H1
 <400> 46847
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 tgggagatcg tgaagaagaa caactccttt ttggtgaaag agttcgggaag gggcactcag 120
 agcgtgcagt tcagcagaga gcccaacaat ctctacaacc tcaacaactt caagtactcc 180
 ggtttggcga accagaaaac tgctactgtt caacctgctg gtaaagacca gtccgtgttg 240
 ctgcacaaca ccaagacaaa gaagc 265

<210> 46848
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039035H1
 <400> 46848
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 aactctagcc aatctagttg tatgtgtctt tcctctcggc aaaccatcta acaaactcatt 120
 cagccagctg aaactttctc acccagagca tgtattggtc aaacgggtat catcagctga 180
 agaaagtttt gatagagcgc tacaatcatt ttctcatga gtgtcgatga ttgaatttct 240

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265

<210> 46849
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039036H1
 <400> 46849

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 tgacgccgac gacgcgatct tctacgagtc gttcgacgag gattttgatg gacgggtggat 180
 tgtatccgac aaggaggatt acaatggtgt ctggcagcat gccaaagagt atgggcatga 240
 tgattatgga cttcttggtta gtg 263

<210> 46850
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039037H1
 <400> 46850

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 tttccgagac tatgcggaac tttgcttcag ggaatttggt gatagggtaa agtattgggt 120
 tacattgaat gagccatgga gttacagcca aaatggctat gcaaattgggc gaatggcacc 180
 tggtcgttgt tctgcttgga tgaatctgaa ttgcactgga ggtgattctt caacggagcc 240
 ttatttggtt acacatcacc aa 262

<210> 46851
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039040H1
 <400> 46851

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 tgaacttccc acttgtttag aaccaaagac cagggttggt ctgtatgcta gaaactgctt 180
 atcaaacaag aaccaagatc agcacccttc agattttctgc agcaatgagg ctttggcagt 240
 gacaatcata ccccatcagc agaag 265

<210> 46852
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039005H1

<400> 46852

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 cttcgcccc tcagattcaa aagacctgtc cccccgtga aagggtcgat ggcggagacc 180
 aacaacaacg ttgccgtga ggtccttgaa aaagaggatc ttgccgtgtc cctggccaaa 240
 tacgtcgccg atctctccaa caaattca 268

<210> 46853
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038972H1

<400> 46853

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 aactttctgt aacttcttgt ataggcaaag gtttcaaacc ttcaatctat ccttctcttg 180
 cttttgccaa aatgttatgg tgaataggga gaaaaagatg gaaaaaaatg tgactgtttc 240
 atgtactgat attgtaaa 258

<210> 46854
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 <212> DNA
 <213> Glycine max

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<223> Clone ID: 701038973H1

<400> 46854

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gacttgtttg tccagcaciaa cgatgggaaa aagatcatag atcctgaaag ccagaaaacc 180
ttgtgttcat gcttaaaaga agagatgcta tccgttgagg gtgacgatag tgaaccgggg 240
tccagacaca gaactt 256

<210> 46855

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701038974H1

<400> 46855

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ctcctccacg accctgcttt tgagttctcc gatgatgctc gtaattgggt cgaccggatg 120
ctggactaca atgtgccggg aggaaagttg aaccggggac tgtcagtaat tgatagctac 180
agattgttaa aagaaggaca ggcattaaga tgacgaaatt tttcatgcca gtgctcttgg 240
ttggtgtatt gaat 254

<210> 46856

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701038975H1

<400> 46856

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ttcactgtca caccactttc ctaccctttg tttagatact cttcttcac atcatctttg 180
aagagcaata agcaattatc caagaaacca atcagcattt gatgatctga atgagtcagc 240
aagcttgccct tcaactt 257

<210> 46857
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038976H1

 <400> 46857

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 acataacgcc accgttttcc aaaagtccat cgatttagat gcgactcgcg gtcgccccat 180
 cagaacgcac gttgtcaact tccccgccgc aagtgggtct ccccggtggg atcgaagcct 240
 tcaacgtcga tacgcctc 258

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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038977H1

 <400> 46858

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 cgacctcaa gaagttagct tttgctttcc aggatcaggt gctgtcaggg attggtactc 180
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 gtatcgatga acaag 255

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 <223> Clone ID: 701038978H1

 <400> 46859

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0953113-032200

ccgctctggc cagccttccg atagaatcag caaggttctc catggcggcc agctcaccga 180
cgaagaagct cagccgctag ccaagagcaa actgctcagg gtataaaatg aaagacatga 240
ctggaagtgg tatattttct 260

<210> 46860
<211> 261
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<213> Glycine max

<223> Clone ID: 701038979H1

<400> 46860

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aatttggtgtt tgatgattac atgaagctct atgctggctc caagtttcag gctaaagagc 180
caaggtttga agctatgaag gccaatgcaa gcagttgatg tgggggcat agccacagtt 240
tgagtctcag ggctctcagc a 261

<210> 46861
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701038980H1

<400> 46861

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agggtgccata gcatgcacgt tcttgtctct tttcttcttg gggacatggc ctgctctttt 180
gactatgtta gagaggcgtg gtcgtcttcc tcaataccta ccttgattac tcaatcacca 240
atttcttggc tgctttactc at 262

<210> 46862
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701038984H1

<400> 46862

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tctttaatat cttctctggg ttctttatcc caagaccggg gaggaccatt ctagtttcgt 180
tattatattg aaacaaacat atcttacaat ctttactaac ataactcttc taccaacttt 240
ggcttttcag aaaa 254

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<210> 46863

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701038985H1

<400> 46863

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tgaggagtgg ctgcaagcag tagccgctga attcaatata tctgagactt gttacttata 180
acgcatcacc cactcgtctc atggaatcta atccccgttt tcgtctcaga tggtttactc 240
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<210> 46864

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701038986H1

<400> 46864

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aaccgcgctt caactcctac gtttaaccca tcttcggttc actcaccttc caactctctt 180
cttcgccgct ccattgttc actaggaaag ggagaagaaa ttaaggatca gctttattgt 240
tttgaagatc gaggcaat 258

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<210> 46865
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038987H1

 <400> 46865
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 tggcaagcga ttggccagca ttaatgtcga gaatgttgaa gcaaataaggc gtgctcttcg 180
 tgaactccta ttcaccacac ctggtgcttg agtgcctcag tgggtgtgatc ttgtttgagg 240
 aaaccctata ccaaaa 256

<210> 46866
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038988H1

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 ttttggtacc acagtttagca actaccctcc ttgtccgaag ccagagctga taaaggggct 180
 cagagctcac acagatgctg gtggcatctc tactcttcca agatcacaag gtcagtggat 240
 tacagtcct caaaga 256

<210> 46867
 <211> 253
 <212> DNA
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 <223> Clone ID: 701038989H1

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 gatgttgata tgggtgttgt ttcacatctc attagtgaag gtagcatgga aatcgagttg 180

acaacttcca cagtatcaat cgatctgacc tgtcaataat tcagtttcac aagttgtttc 240
 agaaaataat agt 253

<210> 46868
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038990H1

<400> 46868

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 tccttcaacc tcaatcctcc ccctccaagt ggggaagcaa ctgcgaatag caagaaggag 180
 agtccttctt tgccgtcggg ggttcaaatt gggcatgggt ttacccgatt tgagaacgaa 240
 gaaaaagggg aaa 253

<210> 46869
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038991H1

<400> 46869

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 cgaaattgaa gctcgagatg tcatcaagat tgtgcttcag ttttgcaaag aaaattcggt 120
 gcatcagact tttcagatgc tgcagaacga atgccaggtt tctctgaaca ccgttgacag 180
 cattgagacc tttgttgctg atattaattg gaaggtggga tgcaatattg cctcaagttt 240
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<210> 46870
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038992H1

<400> 46870

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 tgctgttct tcatagttat tagaccaag gctcacttgt cgtgtccacc tgggcaaaag 180
 atctctaaga ttaaatttgc aagatacatt gncanatgga gattgtggaa acttcagaga 240
 aggaagttgt cat 253

<210> 46871

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701038994H1

<400> 46871

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 tctctctgct gaaccggact ctctccgtaa accctcctcg aaccgctcct ccacgcgcca 180
 tggccaagcc cagttttctca actgcccaac ctagtggctt ctcttgccga ttttgaatt 239

<210> 46872

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701038995H1

<400> 46872

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 cattctcatg gtccagaccc tttgcctagt gatcttgaaa cagccacaaa ttcccatcat 180
 gatttactcg cttcttactt aggaagtcac gaaggccaag gcagcaatta tatactcgta 240
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<210> 46873

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701038996H1

<400> 46873

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caggttccgc gagacacgca aggaaagatg ttttgacaag aaaattaggt attccgtcag 120
aaaagaggta gcacagagga tgcacgga gaatgggcag tttgcttcct tgaaggaaag 180
cccagggtca tctaatacgg attctgcaca gagctgggtca agttggcact tctcattctg 240
aatctgtacg tagatgtcac cat 263

<210> 46874

<211> 277

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039001H1

<400> 46874

agaaaggccc tttgacnccc cgtttccggg gtgaacatgc actccgacga tatccaacag 60
gagaggaacg ctgcattgct tgcaaacttt gtgaagctat atgtcctgca caagcaatca 120
caattgaggc tgaggagcga gaagatggaa gccgcaggac aactcgggtat gatattgaca 180
tgaccaagtg catttattgt ggattttgtc aagaggcatg ccttgttgat gcgattgttg 240
aagggccaaa ctttgaattt gctacagaga ctcatga 277

<210> 46875

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 701039002H1

<400> 46875

acgaagtcac catgccttcg ttattttctc ttttggtttc ttccagccat ttagtgtgtt 60
aaactaaatt gattagcggt gttggatgag ttaccataga atttgttatc tatgggtcttg 120
taatgcattt attgttacac tgcattgatt tgaagattag tgccgtcatg attttattaa 180
tgtttcaatt ttactt 196

<210> 46876
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039004H1

<400> 46876

atggaaaggc gtttttagagt ggaaaatggc aggaagcagc attaacagag gagaaagatg 60
 gtctctcaat ggaatgactg ctcttgtcac cggcggcact cgtgggatcg ggcaactccat 120
 agtgagtgac ttggctgcgt ttggcgctgc agtgcacacc tgttccagga cccaaacaga 180
 gctcaacaaa tgcttacaag agtggcagag tcagggggtt caggtaactg ggctcgctctg 240
 tgacgtgtcc tcaccacccc agagagag 268

<210> 46877
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038971H1

<400> 46877

ggcgtttctat atattattga attgacaatg aggcctgctc ttgctttgct tcctcttcta 60
 tttgccttct tgaagttagc tgccactaca gaatcaagaa aagatacagg ggaatattgg 120
 aaaatgatca tgaaagatca ggaaatgcca gaaggacttc aaggtcttgt ttcatttcaa 180
 tctgaaaata accctaagac tcaagagcag tggtaaaggt tccaaaaacc attgtgaaga 240
 gtctctagtt acaaatac 258

<210> 46878
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038943H1

<400> 46878

ctccttcaaa actcatctcg aaaccctaag cactcgctcg ggctcgtgta gtgccaaacc 60
 ctagggctca ttttccagat ctattcagtt tttctctcct ctcttttccg atccaccgtt 120

ggagatcgaa gatggtgtcc gacgccagca agaagaaggc cgcacagaag aaggccgccc 180
 ccgcccgaat gataggtggc aaagctgccg ccgctcgtaa tggccgccac ctcttccaaa 240
 gccgcccaca aggtcgccaa cgg 263

<210> 46879
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038944H1

<400> 46879

ccctcgagcc gaatcggttc gagcaaatat tctcactcgt cgtcttcggc tgcgccctaa 60
 ccaaattcaa ttcaaactct tctcatcaaa atccaaggct cgttcttgaa accctaattc 120
 gatatcctcc tcctcagaag aagaaggatc gatgtgggca gcttcttgcc tggcgatcatg 180
 ctgcgcgggc tgcgatgcg acgctgcag gaccgtcatc gggaatcagc cgccgttccg 240
 ccaggatcgc ctactgcgg 259

<210> 46880
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038945H1

<400> 46880

gcggagatga tgagatagac cttgagttct tggggaacag aacaggacaa ccttacattc 60
 tgcaaacaaa tgtgttcacc ggaggcaagg gtgatagaga gcaaagaatc tatctctggt 120
 ttgateccac gaaagagtac cacagatact ccattctctg gaacttgtat cagatttgtt 180
 tctttgtgga cgaggtgcca atcagggtgt tcaaacagca aggacttggg agtgaaattc 240
 ccattcgacc agccaatgaa g 261

<210> 46881
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038946H1

<400> 46881

agcatgtcca attctcagag agaacatgca ttggctatag aacaactggg acctgaattc 60

atcgactaa ggctgaatct ttgcagttac atgaatgtgg aaaagttttg gatgatctat 120

tttttgtaa tacttccaag actaaatcag catgattttg agcgctatc aactcccaag 180

attgttgaag caagagatgt gcttcttcag aaactgagag aggaaaaatt tgcaagccgg 240

agaacctgaa aaaccaagga ctgt 264

<210> 46882

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701038949H1

<400> 46882

taattgcaag aatggcactt cgttgcttgg tgatgtccct ttctgttctc ttcactcttg 60

gtcttgcgag agaaagccat gccagagacg aagatttttg gcatgctgtt tggccaaaca 120

ctccattcc aagttcattg cgagatcttc taaagcctgg ccctgcaagt gttgaaatcg 180

atgatcacc tatgcaaatt gaagaaacac agtaccaaaa ccttcttcta taaagcagac 240

cttcatccag gcaaaacaat gagagt 266

<210> 46883

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701038950H1

<400> 46883

actagttagc ttgaattctg ttattgaaga aatctaagtt ccttaacgaa aacacttcac 60

atgtagtaga gtagggtaat tttgtggtgc tttgtttcac gagtaacatc tgcaagaagt 120

cttctccttc accatgccac caaagccttt agactatggg tcaataaatg aaaacgtgaa 180

gaagagtcaa tatgctgtca gaggtgaatt atacccgagc ttctgagctt cagaaagagg 240

gcaaaaagat tatatttact aatg 264

<210> 46884
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038951H1

<400> 46884

cgtaacacgt tgcaaattct gtggatagtg acgatgaaaa ctgttctaata ggatcaagaa 60
 cttcctcttc tgatttcctt gatcaaaata aggttatgat gttggataag tcaactgccg 120
 gaatctgttt ggatcaaaaag ttggatgtgg agaaagaatt aatagagcag gaaatgaatt 180
 tatcttcttc atatgaggag aaaaacgata ttaaggcatt caagtgggtg tgttggagat 240
 gtgaaggaaa atgattcata 260

<210> 46885
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038953H1

<400> 46885

gagagatgca gacctgacct aggggtttttt tatcattcct cttcccaatt ccagggttaag 60
 ctttggatct ccgatcggag ccttaccat cttttcttga tcttcaagga accctttggg 120
 aactaaaagt ttccaaattg aagaggaaac gataaaaaaa gggcttgctc cggagaggtt 180
 gcgtctgggg gggaagattt ggatcgggat tcgggtgaca tatctgaggg tggttactta 240
 tggcgaaaag ttgggctagt ga 262

<210> 46886
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038954H1

<400> 46886

gtaaaacttg gcattagggg tgtgatttgt ggaactattg gttgttcggc catagtttca 60
 tcaatttttt gtaacatttt atgaaagact taaatatgtt tttgaccct gatatatata 120
 ctgcaatttt gccataatca attacaaagc ggcattctat gttttgacaa aactcaagcg 180

tttacgctct atgctagcca agcggatcaa tattatcagc agtttctcct tcaacccatg 240

ttatagattc ctgctctaac ag 262

<210> 46887
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701038955H1

<400> 46887

caatacctta gcatgaaatt caactttgtg ggactacatg ttgaagtttg attggtgaac 60

gaggtgcgct aatgccttct taagttttgc ttttctgtca ctttccctct gtgttggttt 120

gctctgatca cttttgtctg cattacaacc tgagcctcag atctgatctc ttgatccaca 180

aaaccatggc tgaaaagggtg accatcatga aacaagggtg accttgagtg tgagaactgc 240

tacaagaagg ttaag 255

<210> 46888
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701038956H1

<400> 46888

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cactaggcga tcctcctccc ggggtcaactc gcccgtagact caccgcagag ctgccccgcc 120

cctgacccca acctctacta caagccagtc atcggaatcg tcagccatcc cggcgacggc 180

gcctccggcc gcctcagcaa cgccaccggc gccttacatc gccgcctcct atgtcaaatt 240

cgttgaggcc gccggcgccc gt 262

<210> 46889
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701038957H1

<400> 46889

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 gggatttgat tatggataag tatgaggctg tcaaggattt gggagctggg aattttgggg 120
 tggctaggct catgaggaac aaggagacca aggagcttgt tgccatgaaa tacatcgagc 180
 gtggccaaaa gattgatgag aatgtggcca gagattatca accacagatc ccttcggcac 240
 cccaatataa ttcgct 256

<210> 46890
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038958H1

<400> 46890

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 gactctttta gcgctgcctc tcttaaggct tatttcgcag agttccacgc aactctgatt 120
 ttcgtgttcg ctggtgttgg atcagccatc gcttacaacg agcttacaaa agatgcagcc 180
 ttggatccaa cggggctggg ggcagtagct ggcacatgca tttgcactgt ttgtaggtgt 240
 ctccgtcgcc gccaacat 258

<210> 46891
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038961H1

<400> 46891

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 aaggattcta tttgtagggt agtggcactt tcaaagagtt tctttctctt ttaaaaactc 120
 gttaatcttt tatgtttact gttaacagct cgagattacg aattttctgat ttctgaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 gggggccccc cctttt 256

<210> 46892
 <211> 260

<212> DNA
 <213> Glycine max

<223> Clone ID: 701038962H1

<400> 46892

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 ccataaccat agcttttggtt gagttgaggg atttgattat ggataagtat gaggctgtca 120
 aggatttggg agctgggaat tttgggggtgg ctaggctcat gaggaacaag gagaccaagg 180
 agcttggtgc catgaaatac atcgagcgtg gaaaagattg atgagaatgt ggcaagagag 240
 attatcaacc acagatccct 260

<210> 46893
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038963H1

<400> 46893

ctcgagccgc tttctcctta ttcttcatta gatcctcagt tcccaatcga ccctccattt 60
 ctgtgaactg agatggctgg aggtgttatt cggcagttat ttaggaggaa actccaatct 120
 cattctccta attcttcttt taagtcattc attatcacia agaaagatgg tgctgactct 180
 attggcaaca actccttaag agtgcttgca ttagttagct ggtgtctcag ggtttctagg 240
 ttttgcaaca acagcatttg ctgat 265

<210> 46894
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038964H1

<400> 46894

gttgtgttgct actgtcactg ttacagttgt tgggtgtaaag gaacagcggg ggggtgagtga 60
 gagagggagg aaacatggct acggcgctcg cgtcggcgctc gtgggaggaa ctgacgctga 120
 aagtgaaatg gagcggcaac gaatacacgg tccgcgtctg ctgcgacgac accgtgggag 180
 aactcaaacg tcgaatctgc gagctaacca acgtcttccc ttcgccagaa gctcttgtac 240

cctaaactcg cttccaaact cagcg

265

<210> 46895
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701038966H1

<400> 46895

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tgttgtttga gggagatggg ggaggttact acacttgggt gagttctaaa gtgccactgc 120
tgccaagac caatgttggg gctggctggg tagtgcttca gcctcagggc tttgctattc 180
ctcattattc agatatatcc aaagtaggtt atgcttcaag ggaacgatgg cgtagctggg 240
atggccctcc gcaacagtac t 261

<210> 46896
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038967H1

<400> 46896

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tgcatttccc aaccttcctc caatggcttc tgcttcctta atcaactcgt tgacttggtc 120
ttcgcgtgct cccactcagc actgttccac tttcaccgc accaccgccg ccacgtcact 180
gagacaattt aacagccact gtcggagacc acgcgacgag gatctcgccg ccttccaccg 240
ttgtctgcaa agctgtctc 259

<210> 46897
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038968H1

<400> 46897

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gcgcaccaaa cagccccagt caattttctt ctctcttcta agacacacca atgccagaga 120
 agaagaacaa gaaagtttct ttcaccgaag aagatgctgt tacgctcatg cagaggtacg 180
 acgcaactac ggtgttcaact ttacttcagg atggcgcatt accctcacc caagattgat 240
 tgggtgcgagt tgggtgaaga 259

<210> 46898
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038969H1

<400> 46898

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 tagatagtgc aagagaagcg taatctccaa gttctcatct tttttgttcc cttttgtttt 120
 cagagatata cataggcccc agaagaacaa attgctacaa cctattttga tttgagatct 180
 gtctgtctct ttggtttcac ttcagggctc agtgaggaat gcgaagaaaa tggggaggaa 240
 aggaaatagt tggttttct 259

<210> 46899
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038970H1

<400> 46899

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 tcatctcctt ccaatggctt ccattcccac actctcttca tccctaccta cactctctgc 120
 tcaactctta tccattcaa accccaacaa ccaactgcact ctccctccca catctctctt 180
 cggcaccagg atcacctcc tacgcgccac cttcgtctca tttccctccc aacaccaatt 240
 gccgtgcaac ctgagccacc g 261

<210> 46900
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038942H1

<400> 46900

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tcgttaattc acttttccttt gatgtattgc gcagttttaa ggagagtttt gatcaggcga 120
tacatagaga tgatgtcaat gcaattgttg ttacagggtgc gaagggaaaa ttttctggag 180
gttttgatat ttctgcattt ggtggtattc aaggcgtgag agcgtccaaa acctggttgg 240
atatcagtag gagtcatcac 260

<210> 46901

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701038914H1

<400> 46901

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tctccattcc ttcaaccttc ttcttctctt tgatctctga tggagacggt ccgtgttttag 120
tagcaagggg tagttgaggc cttgtgtttg gaaacgtacg gtgtcgtttt ggagttggga 180
aaacaaataa ttctgagaga tggcaaccac gaaccttta tttgttgggt gacgacgctg 240
aggaccttc tcagctcatc gccgccg 267

<210> 46902

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701038915H1

<400> 46902

agcaaactta gaaggatttt tcgaaagcca ggtgttttca gaaacgagat ccaggtttta 60
ttgtcgaatt tcgctagtca aattaatttt cataattatt tttttctttg aaaccagcca 120
agaggggttat ttttgatccc tcaaagctaa tttctctctc tcttttttta tgtccgggac 180
tgaagagggt gtctatttga catctccttc atcctttcct tttgtagaaa actttttaaa 240
tttttttgtc agtgggtggt ttaattaacc a 271

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<400> 46903

<210>	46904
<211>	269
<212>	DNA
<213>	Glycine max

<400> 46904

<210>	46905
<211>	265
<212>	DNA
<213>	Glycine max

<400> 46905

18684

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 ggaatgattc cctaactggc cacatcatat ctacaacttg gaggcaaaaa tggggaaccc 240
 aaacagacta ttagctacat ggcag 265

<210> 46906
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038921H1
 <400> 46906

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 gagtgccacc gagtctttca ttcattgatt agatgaaaag acaagtgcac ccttaaaatt 120
 cacagtgttg aacccaaagg gccgaatttg gacaatggta gctgggggag gtgctagtgt 180
 catttatgct gatacggtag gagatcttgg ctttgcata gcttggaac tatgctgaat 240
 acagtgggtgc acccaaagaa gagga 265

<210> 46907
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038922H1
 <400> 46907

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 ggaccatgaa cgtgcttact tcgattctgc ggattgggca cttggaaagc aaggcggaga 120
 gaagcctaag ggaccacttg aggctcttcg gcctaaatta cagccaacgc agcagcaaac 180
 acgttaccgg aaatctcctt atgctccttc aggagaaggg gggaagtgtt ccagccgagg 240
 atgcaccttc caaccagtaa gcagcaa 267

<210> 46908
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038923H1

<400> 46908

ctaaaaagca atcacgcccg aaaacgaaag catctccctc tccccgaagc aaacaactgc 60
 ccttaaccct caaaaacaag ccacccaaac ccatccactt caaccccccc ccccaaatc 120
 acctccctct ctcaccggga ttgattctcc atggacgagt atctctctct ctgtcttcaa 180
 ttttacacat cagtaaacct tatttctaata tttctcttct gttgcttgct ttcaatttca 240
 ttgacacagg tcagagcaat accca 265

<210> 46909

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701038924H1

<400> 46909

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 ggacgatggg gcagatgaaa ttaaagaagc cgcacccaaa ggtgacgggg aacaaaatta 120
 aacataccat actctctgct tattagtcac tgaacttccc ttctgtaatg ttttcaaagg 180
 gagaagggtg tgaatgctaa tctcaatggt actgagattg ggcattcgtg ttcttcgtta 240
 tgaattgtgg atgtactggg ctatatt 266

<210> 46910

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701038926H1

<400> 46910

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 cctcgtgttc ttcttcactc tcaagtaacct ttcccaaaga agcagaaaag tacgaaacct 120
 gccacctggg ccgactctc ttcctataat cggcaacctt aacctcgttg aacaacctat 180
 acaccgtttc ttccaccgca tgtcccaaaa atatggacat catatccctt tggtttgggt 240
 cacgtcttgt tgtggttgtt tcat 264

[illegible]

<400> 46911

<210>	46912
<211>	264
<212>	DNA
<213>	Glycine max

<400> 46912

<210>	46913
<211>	264
<212>	DNA
<213>	Glycine max.

<400> 46913

18687

ggatacgagg aggtgaagga gatgcgctac ctgcaaggcg atttcggaga cgatgaggtt 240
gtaccccgcca gtgccggttg acac 264

<210> 46914
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701038930H1

<400> 46914

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acatggggta tgatgaaagg ggtcatggca ttggcttcac agaaggttga ggaattcgct 120
agagataacc cgaattggac gtctgataac tggcaacgaa atgaaagtga tagaacatgg 180
tttctaccag gagttcaatc gagagaataa tggccggttc ttctaccaga gaaggacaac 240
attcttcagg tggacaaaact aatac 265

<210> 46915
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701038931H1

<400> 46915

gaaagatacc agttttttttg ttgttttttt tcttcaatct caaccatgga aaagcagaag 60
aactgatga gtttgattct gttgctgttg ttatttactt cggatgtgag tgcttggacc 120
ggtgaaatcc atggaagagt tgtttgtgac gtttgtgggg attcttctct tggacctgaa 180
gaccatattc ttgaaggtgc tgaggttgct gttctttgcc accaagtctg gggaagttct 240
aaattatcag gcattcactg atgctaag 268

<210> 46916
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701038932H1

<400> 46916

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tcaagccatc	agttgaagta	gtcgtatgtg	cttccatgaa	caataataat	agcgcaaaca	120
accacaccct	cccaaccgac	atcaccaagc	catcacaatt	accaatcttg	accaggtccc	180
atgctgggta	ctttttcata	tgcctttcct	ttggagcaca	agttgctctg	gaagagtttg	240
agtaaacaca	acaaggactc	acaaagtctc	tg			272

<210>	46917
<211>	270
<212>	DNA
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<223> Clone ID: 701038933H1

<400> 46917

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ctgcctctgt	cacaaagcca	acacctcttt	ccatcaggac	agtgcacccc	gtagtttctt	120
tgtcttcaga	tgattacgac	accaaacaca	cccttaagct	taacaacact	caggcgtgga	180
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<210>	46918
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<223> Clone ID: 701038935H1

<400> 46918

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ttttgcttg	ccagtactaa	gggaagtgat	ccgttaaact	ggggagcggc	ggcggaggcg	180
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ccggctcggc	ggcgagacgc	tcac				264

<210>	46919
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262

<210> 46922
<211> 263
<212> DNA
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<223> Clone ID: 701038940H1

<400> 46922

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ccttatagca ctaattggat caactcaagc tcaattgcag cttggtttct atgccaaaag 180
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<210> 46923
<211> 259
<212> DNA
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<223> Clone ID: 701038941H1

<400> 46923

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tcacttggcc aattcgtcaa aagattgctc tagggaccgc taggggggtg gcttatttgc 120
actatggagc tcaaccttcc atcatccata gggatattaa ggctagtaac attcttctgg 180
accacaattt tgaagccaag gttgcggatt tcgggtggcaa agttcaacct tgaggggatg 240
actcacatga gtactagag 259

<210> 46924
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701038913H1

<400> 46924

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 <213> Glycine max
 <223> Clone ID: 701038855H1
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 cgacgaagcg gacgaagaaa ccaacgcctc caccgccgag gcagaaacct cctccgttaa 180
 cctggaagcg ttaacat 198

<210> 46926
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038856H1
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<210> 46927
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038857H1
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 agttgtgtag tctaggttct tagagctgca ttttctgact tttagaatat gtttcactgt 180
 tgctaactgg ag 192

<210> 46928
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 <213> Glycine max
 <223> Clone ID: 701038858H1
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 agtggttttg 190

<210> 46929
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 <223> Clone ID: 701038860H1
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 gtggtgctag ttgttctttt gagaatagtg ggtgtttttg tgcttaaaac tataatgtct 180
 gtcttaaagt a 191

<210> 46930
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 <223> Clone ID: 701038864H1
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 ctctcattca gaatatgttg gtatgggttg tggttaacttg acttcatta tcaaggaaat 180
 atacaagaga g 191

<210> 46931
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 <212> DNA
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<223> Clone ID: 701038865H1

<400> 46931

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<210> 46932
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<223> Clone ID: 701038866H1

<400> 46932

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<210> 46933
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<223> Clone ID: 701038870H1

<400> 46933

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caggccatct tcaggatctt caaatggtaa caggaatagg aagtatgcag actcagatat 180
ggggtcagat t 191

<210> 46934
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<223> Clone ID: 701038871H1

<400> 46934

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aaaatagaag cagcaagcaa gccgcaattt tctctgaacc tacattgcga tcatccatga 180
ttgatataa 189

<210> 46935
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<223> Clone ID: 701038872H1

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aatgatctca aactcggacc ccgtagaacc agtcacggca accgccactg cggcgccga 180
cgacgccacc g 191

<210> 46936
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<223> Clone ID: 701038873H1

<400> 46936

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 cgatga 186

<210> 46937
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<223> Clone ID: 701038874H1

<400> 46937

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 tgtgttcttg cttttgtggc tatcttgat gtagagagggc tcagtttctt ctcttccaag 180
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<210> 46938
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<223> Clone ID: 701038875H1

<400> 46938

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 a 181

<210> 46939
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<223> Clone ID: 701038878H1

<400> 46939

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 atttc 185

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<223> Clone ID: 701038881H1

<400> 46940

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 ataacaatag cgcaaacaac cacaccctcc caaccgacat caccaagtca tcacaatcac 180
 acttaccaat cttgaccaag ctccatgctg gttactttt 219

<210> 46941
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<223> Clone ID: 701038882H1

<400> 46941

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 tttgcaagga caatcgcaaa ctcaatcaga ctgcacgacg acgacgacga ccacaatggc 180
 agtgacct 188

<210> 46942
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<223> Clone ID: 701038883H1

<400> 46942

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cacaac 186

<210> 46943
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<223> Clone ID: 701038884H1
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ac 182

<210> 46944
<211> 183
<212> DNA
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caacctactc ttaaggatct attgtatcta tacaatttaa gacaactggc tctgatata 180
aaa 183

<210> 46945
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<212> DNA
<213> Glycine max
<223> Clone ID: 701038886H1
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 acacc 185

<210> 46946
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 <212> DNA
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 <223> Clone ID: 701038889H1
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 agagaaaccc aagcagatcg attactcttg agaaaacaag atgagccgcc acccttctgt 120
 caaatgggct cagacgtctg atgtactcta cttaacagtt gagctgcctg at 172

<210> 46947
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<210> 46948
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<223> Clone ID: 701038901H1

<400> 46949

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 gctgcttctg tggagggagt agaagcaaaa ctgtggcagg tacctgaaac attgcctgaa 180
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<210> 46950
 <211> 259
 <212> DNA
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<223> Clone ID: 701038902H1

<400> 46950

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 gaaaaaccag cccaacactt cctgttcctg cctttactgt cataagtggg ggaaaacatg 180
 ctgggagtaa cctggccatt caggaaatca tttctccaa tcggagcaag caaatttgag 240
 gaagcattgc gaatgggca 259

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 <212> DNA
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<223> Clone ID: 701038854H1

<400> 46951

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 ggtagaggaa gagaatatgg agggagaggt gggttggatc gaggcagggg cagaggcaga 180
 ggcaggggaa gaggtcga 198

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<223> Clone ID: 701038904H1

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 gtcggcggtt tatatgcat tctttcatcc tcaacctctg ctagctctgt gatggctgtg 180
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<223> Clone ID: 701038909H1

<400> 46953

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 ttcttttggc gaggtttcta tggcaactgc tttagagaaa gtggccactt tatcttagca 240
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<210> 46954
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<223> Clone ID: 701038911H1

<400> 46954

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 tataaccatt gacagatatt caaattcagc ataattgtga ttaagatttt ggtccttccc 180
 tggaatgaaa atactgtttg tcaataaatt tgggagtgat ttgcggttat atttaatggg 240
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<210> 46955

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701038912H1

<400> 46955

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 ttccacacac aacttgtaaa tgggttccag tcaactgacag cagagttatc acattacatt 180
 cctgccattc ttcagagct atgacaagtg tttgctcta tattttgctt cgatttgctt 240
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<210> 46956

<211> 211

<212> DNA

<213> Glycine max

<223> Clone ID: 701038819H1

<400> 46956

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<212> DNA
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<223> Clone ID: 701038821H1

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 aaacatttag aagtcttggg aagcgcatat ttgatatcta tgttcaggga aaactgattc 180
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 <212> DNA
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<223> Clone ID: 701038822H1

<400> 46958

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 <212> DNA
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<223> Clone ID: 701038823H1

<400> 46959

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<212> DNA
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<223> Clone ID: 701038824H1

<400> 46960

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<223> Clone ID: 701038825H1

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 tactctgcat gaacataaca ttcatactta agttttgctg gttgtgtgtg tgttttttgt 180
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<223> Clone ID: 701038826H1

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 gcattacttt ctgagttctg atgggcaatt tttatgtatc ttgagagttc aaatagacat 180
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<223> Clone ID: 701038827H1

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<210> 46964

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 701038828H1

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<210> 46965

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 701038829H1

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<210> 46966

<211> 209

<212> DNA

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<223> Clone ID: 701038830H1

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aggtttttgc aagcttcaca tctcgtattc gcgtcattct gatcttagta taaaggtgaa 180
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 <212> DNA
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<223> Clone ID: 701038831H1

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 aggttggtgt tgcagctgag ccagctgctg ccatcccagg cgagcctatg gatatcatga 120
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<223> Clone ID: 701038832H1

<400> 46968

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<223> Clone ID: 701038833H1

<400> 46969

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taacggatga gatgatcggc atgaccgttc cgagaaaggc tcgttgagca tctgcaaaaa 180
 ggtttcacga aagttggatt tccgcaagca gcggtg 216

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<223> Clone ID: 701038834H1

<400> 46970

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 acctatgacc actgtggaat ggtacttggg gttcacctgt gtagctgtgg tgctatcaca 180
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<223> Clone ID: 701038835H1

<400> 46971

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 tctgtcccg aaagaaatcc ggcatgtct gccgcaccgc tgtccatgta cttgccggcg 180
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<223> Clone ID: 701038836H1

<400> 46972

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catggtgctt tattcctaatt ttttgtgggg gtggttctca gctacctagg attcaggtca 180
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<223> Clone ID: 701038837H1

<400> 46973

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 acccctccta gcagcagaac cagagccagt ggttgataag caagggaacc ctttggagcc 180
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 <212> DNA
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<223> Clone ID: 701038839H1

<400> 46974

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 tgaaaaacag caacaacgac caccctgtct ttgttttttg ttttttggtt gttgagttga 180
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<223> Clone ID: 701038840H1

<400> 46975

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ggagcggatg ggaggggatt tcaagccctt ctcgaggggc tcttcgtgct cgcgttcgat 180
 cagcgaaacc gtgaacggct cgcaccaatt ca 212

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<223> Clone ID: 701038841H1

<400> 46976

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 actaccactg gtcacctgat ttacaagctt ggaggcattg acaagcgtgt tattgagagg 180
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<223> Clone ID: 701038842H1

<400> 46977

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 gccgccgcca cgtgtcgggtg tctgcaccc tctccggcaa cggcacccgac gacgaggtcg 180
 agagggccct ccacatgga 199

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<223> Clone ID: 701038843H1

<400> 46978

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tggaagagta agtggtatgc cttggttacc acttggttcc acttcttgaa ttaatttttg 180
agccacagat agtgac 196

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<212> DNA
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<223> Clone ID: 701038845H1

<400> 46979

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cgtgaaagaa gcagtgacta acaagtttac acagaccatt acaactggac aagcaactct 180
gcgtctcttt ttccatga 198

<210> 46980
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<212> DNA
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<223> Clone ID: 701038847H1

<400> 46980

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gacagtgaat atgctgcaaa tctgaaagcc ttcaagtga aggacctcag taaattgaac 180
accacaaaaa ttgaga 196

<210> 46981
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<212> DNA
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<223> Clone ID: 701038849H1

<400> 46981

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tcaaaagata aaggggacta tgggtggttat gcagaagaat gtgttgata tcaacagcat 120

caccagtgtt ggagggatcg ttgaccaagg cttaggcttc ataggcagtg cagtcgatgc 180
acttactttt gcagcca 197

<210> 46982
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038818H1

<400> 46982

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aaatttgatc ccatgaacat atttcagctg gacatttga actgggaatg acttgatgc 180
attcaaatca agtagcattt tgttaaaaa 209

<210> 46983
<211> 197
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<223> Clone ID: 701038850H1

<400> 46983

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caagccatac cccaagtcac gtttctgccg tgggtgttct gatcccaaga tcaggattta 120
tgatgttggt atgaagaaga aggggtgttga tgagtttctt ttctgtgtcc atctgggttag 180
ttgggagaag gaaaatg 197

<210> 46984
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<212> DNA
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<223> Clone ID: 701038851H1

<400> 46984

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aggcaatcag ctctg 195

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<212> DNA
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<223> Clone ID: 701038853H1

<400> 46985

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cgaagacaag tttgatccta ttttgagaat cgcattcaga tggaaagcgc atcagagctt 180
gtggaattcc cgttggtg 198

<210> 46986
<211> 236
<212> DNA
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<223> Clone ID: 701038772H1

<400> 46986

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gatgataaat gaaaacctga agaaggctga ggatcttggt gagcaaggaa tggttgatga 180
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<210> 46987
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<223> Clone ID: 701038773H1

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gtgtgggaca gggttatagga gtagttgtgg ccgataactca tgaaaatgca aagattgctg 180
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<210> 46988
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<223> Clone ID: 701038774H1

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tactcgtact tcagtagaaa actttcagaa gggatatttca gtcataaaat ctcagggagg 180
gaaaatccta accggtggat ctgtattaga gtcgggagga aattttgta 229

<210> 46989
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<223> Clone ID: 701038775H1

<400> 46989

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gcaccgaaga aaagcgacag caccaggtac tacgaaatcc tcggcgtttc gaagaacgct 180
tcgccggatg atttaaagaa ggcttacaag aaagccgcca ttaagaacca 230

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<223> Clone ID: 701038776H1

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cagacggatt cccactgata ttatttgtat atgattacac aaccagctac tactgacaac 180
atcatgttca tgctctttgt tttgtagatt cttagtgttt taagtttcat ctgc 234

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<223> Clone ID: 701038777H1

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cgatcggaaa cctagtgcgc cgttggtgcg gcggtactcc atttcggcca cgtcggttct 180
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<223> Clone ID: 701038778H1

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cgctaccgcc tcgcggccga gatcgcgcag tcggcgctcc agggcgtgct cgcgcactcg 180
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<223> Clone ID: 701038779H1

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gctggtggac ctggttaaagg gatgtattca cggctatatc tcaatgttct gaatgaatat 180

ccacaagttc attcaatttc agcattcaac aatatttaca atggcactgg cattttt 237

<210> 46994

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038780H1

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gtcaggttac taaagataaa caggatgcta atgttcagat ggaaatatcc agttcagtta 180

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<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701038783H1

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agctatgcc ccaaattcaa ccaacacagg gtcgtcaaaa cccctggtgg gaagctcgtt 120

tatcagacca ccaagaagag ggccagctgg cccaagtgcc ccgtcactgg caagaggatt 180

caggggattc cacacttgat gctgcagag tacaagagat caaggttacc cagaaa 236

<210> 46996

<211> 231

<212> DNA

<213> Glycine max

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aggatttggg gcgtttccgg gtgatacata acttgacttg attgtggttg atactaactg 120

gacaggaata atgcatcgca attcacttaa aagatcaa at gatagtaccc ggattatcat 180
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<223> Clone ID: 701038785H1

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<400> 46998

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<223> Clone ID: 701038788H1

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tttcttctac tctctccagt ccagccaaaa cgaagctcct tccatcattt tcagtttttt 180
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<223> Clone ID: 701038790H1

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<223> Clone ID: 701038791H1

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<223> Clone ID: 701038793H1

<400> 47002

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aacaacagtt tccaacttgc caattgctat gtcaagaccc aagattcctt catcacaaag 180
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<210> 47003
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038796H1

<400> 47003

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ttggcagtaa ggtcccaact gacaacagac ttttataaat catcatgtcc taacgtttcc 180
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<210> 47004
<211> 213
<212> DNA
<213> Glycine max

<223> Clone ID: 701038801H1

<400> 47004

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<210> 47005
<211> 93
<212> DNA
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<223> Clone ID: 701038803H1

<400> 47005

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<223> Clone ID: 701038804H1

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<210> 47007
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 <212> DNA
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<223> Clone ID: 701038805H1

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<223> Clone ID: 701038806H1

<400> 47008

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 aaggtacacc catg 194

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 <212> DNA
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<223> Clone ID: 701038808H1

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 <212> DNA
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<223> Clone ID: 701038812H1

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<223> Clone ID: 701038813H1

<400> 47011

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<223> Clone ID: 701038814H1

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<223> Clone ID: 701038816H1

<400> 47013

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<223> Clone ID: 701038771H1

<400> 47014

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 ttggttaggg ggattggcaa gtattcgagg tcgcagatgt accacaagag cgggcatctc 120
 gggccatgca aggccaaa 138

<210> 47015
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038738H1

<400> 47015

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tcggcgccgc cgacgcgcga ctcaccttgg acttctacaa ggacacgtgt ccgcagttca 120
gccagatcat aagggacacc gtcacaagca agcagatcgc cagccccagc accgccgccg 180
ccacgctccg cctcttctct cactgactgcc tcctcccca cggctgtgac gcctcc 236

<210> 47016

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038739H1

<400> 47016

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cataaaagac catgaagatc cttctgcaag caacaagaat agtgtgcact ctgaagattt 120
tgtggacata ctgctatcac atatgcacca agctgtgaat cagcaagagc agaaatatgt 180
cattggtaga actaatatca aggcaattat attagatatg attgcagggt catttgac 238

<210> 47017

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038740H1

<400> 47017

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gaggaggtct cgctcttatt cacctgctcg tcattctaag gatcaccgct ctaggtcacc 120
attgaggccc catcattact caagctatga tagggaaaga cggctctata gagatattag 180
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<210> 47018

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038741H1

<400> 47018

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 ttccattggt cagtatgggc tttatgatga aggttggtat gctgatcttt ctcaattgta 120
 tgctcgcaag gttgatatag ttttgcgagg atatgctggt tgggaattcaa ggcgtgctct 180
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<210> 47019

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701038743H1

<400> 47019

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 atagatgact tgcccaagac cgccgccaac tacacagcgc ttacgccgtt gtggtttcta 120
 gagagagctg ctacggtcca ccccaccaga aactccctca tccacggatc tcgtcgctac 180
 acgtggcagc agacttacca ccgttgccgt cgattcgctt ccgtcttttc taatca 236

<210> 47020

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701038745H1

<400> 47020

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 cagagagtat gactcacaga gggtgttgaa ggagcacttt aagagactct ctggcaagga 120
 gttgccgatc aagtctgcac aaattaccgc atcaactgat ttactgagc tacaagagaa 180
 ggaaccctgg ctttcatctt ctaaattggt tggttaaacct gacatgttat ttggaa 236

<210> 47021

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701038746H1

<400> 47021

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 caaaaacagt tatccagata cgaagtcagc cacagaagta ttttcttaaa gttcagaaga 180
 aggggaacaag tgaacatgta cctcctcccc ggccaaagag aaaagctgct cgcccat 237

<210> 47022

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701038747H1

<400> 47022

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 tccaacactt tcttcttctt ctcttggttc cttctcttct gtctcctctc agctccttcc 180
 tgtgtttcca tggtctctgg tattgagaca ggagatttag agaaaagaga tgatttggtt 240
 c 241

<210> 47023

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701038748H1

<400> 47023

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 attagaaaac cgaattcgat tgtctaataa tgaaactaga acaaaatatt taactaaaat 120
 atatgatcct ttcctgaacg gacgctttcg tggacaaatc gaaaatgttt tttcaacctc 180
 aatccaatat gaaaaaaatg aaaaaaaaaa taccattttg ataaataaaa ttcatgggat 240
 cctta 245

<210> 47024
 <211> 173
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038749H1

<400> 47024

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 gctatggaag actcagattc agttgctacg ctgatagatt ccacaacttc taa 173

<210> 47025
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038750H1

<400> 47025

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 ggtggtggcg gtcctggttc agcaactgca ggtcagtcct ctggtggagc tgctggatat 120
 gggaaatcaag gttatggata tgggtgggtat gctggatatg gtggaagtga tagttcttat 180
 ggggaattcaa gtgcatatgg tactgttggt ggacgtactg ggagtgggtcc aaacagta 238

<210> 47026
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038752H1

<400> 47026

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 aggacaactc attggtactt ttcatatatt tgtggtgctc cctcttcagt ttttggtaaa 120
 ctaaacttcc tcaattcaag ggggtatcaa aatctgctgg ttggtttcat caatctgatg 180
 gaggaaaatc tgcctcccggt atttaggttc caccctacag atgaagagct catca 235

<210> 47027
 <211> 235

<212> DNA
<213> Glycine max

<223> Clone ID: 701038753H1

<400> 47027

ggatgttaag tcagaaactg gaagtacatc tctaaagggtt ttgccaccat ggatgattaa 60
atcagggatg gttcttacia aggaacaacg tggagaggtg aaggaggaaa tgaagatgga 120
tgggacttca atttccacat cagcacagta cttggacgac aagaaatcaa cagttgacca 180
tgatgataag agaaatatac aggatgagta tattaaggct tattatgctg ctttg 235

<210> 47028
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 701038754H1

<400> 47028

gtaacgacga tgctggagtt ggtggtgttg tacaagaacc cattgctcca cacatcccta 60
acccaatcc tcgctttcac cttcgccttc ttcaagatcc ccctcttctt cctccacggc 120
ctccagacct acatccaccc cgactcccaa cccaatcca acaatggcct ccgagccgcc 180
atccgccgcc ccggcagcat cgacagctac caacccttgt cttccaaaac cgccg 235

<210> 47029
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701038755H1

<400> 47029

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gaatcaattg aggatcctgg aaaccgtagc cgattgatcg atcctaataga cgtttatgaa 120
gtattaaaat ataacaaggg gactgaggcc ataagaagca taagagcaaa cttgccagca 180
attcagaatc tgcagttaag ccctcacgtg tttaacaaga tgagcaaaact acagttt 237

<210> 47030
<211> 235

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701038756H1
 <400> 47030
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 ttgtgtgttg caaggttaca agatggagga tcaaatgca tcattctaatg gattgggcaa 120
 ggtgttccac aagggttaagc cctaccttgc tatgatgtcc cttcagtttg gctactccgg 180
 aatgtacatc atcaccatgg tttctttcaa gcatggcatg agccattggg tactc 235
 <210> 47031
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038757H1
 <400> 47031
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 gaaaggaaga ggaagaagaa gaagaagaag agttatcatt ggccaagagg gtgtggaatg 120
 agagcaaggt tatgtggata gtggcggcac cagccatatt cacaaggttt tccacctttg 180
 gcatcagtgt tataagccaa gcttttgttg gccatattgg ttctaaggaa ttggcc 236
 <210> 47032
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038760H1
 <400> 47032
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 tctcgacca tgaacgagaa ggccaacgtc tccaaagagc tcaacgctaa acacaaaaag 120
 atactggagg gacttcttaa actaccagat aacaaggaat gtgctgactg caaagctaaa 180
 ggtccaagat gggctagtgt caatcttggc atctttatat gcatgcagtg ttctgg 236
 <210> 47033
 <211> 238

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701038762H1

 <400> 47033

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 tgagagagag aattggaagg ttgcgacgag tgatgatata cacatattgt gacggtagtg 120
 aaatcgagga aaaagaggta gcaatttgcg agttgcaatg agtaacgaaa aggctccttc 180
 atcagcttct tcgagtagct acgagttgag caaaggcatc aatggcctcg acaagggtt 238

<210> 47034
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038763H1

 <400> 47034

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 caggagagag ccatgtccat gcatcgctac ctgaggaaga ttattgggaa gctgtttggc 120
 caaacactcc cattcccact gcaactgcgag agcttctaaa gcctctaccc tgcaggtgtt 180
 gaaatcgatg aactccctaa gcaaattgat gatacacagt acccaaaaac attcttctat 240
 aaa 243

<210> 47035
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038764H1

 <400> 47035

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 agtatctatt gcatttcctc ttggcttagc tcttcttggt gccttggtat tggtcttttg 120
 ttgcttcttt tggtgctgct tgcactggga aaaactccaa cctttgtttc cattttgtat 180
 ggttatcgtc gatactcagc ctctgacaca agcagacttc actccccctc ctcacaagcc 240
 aggctttcct gtcttgat 258

<210> 47036
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038766H1

<400> 47036

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 cagaacagag caacaaccat ggtgattcac agactcgaat tgtgcataac catgggtcga 120
 ctagccatag agttcgtcgt gagcgtcgcg gaaacagtgg tcatagttca acagagaaac 180
 aatgagcctc ttggaacggt gaatcgcgca agtacacctc ttcctttcta tggctacctc 240

<210> 47037
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038767H1

<400> 47037

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 tgtgtagata acttaagcca aaacaaccaa ccaattcttt tggataccac cttccatata 120
 ttgatactgc aaaatatagt taaatttcat tccgaaacaa tgatcaacaa agtagcagtt 180
 ctattagttg ttttgctttt catcattgct gctttggctt ctgatcctga tccagta 237

<210> 47038
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038768H1

<400> 47038

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 acaaggagaa gcaccggaag cgtaataaaa tggatatgta cattcgtgtt aaacgtagta 120
 agacaaccta cttcattcgg tgcaagccat ctgataaaat tcttgacata aagcagaagt 180
 tgcaagaact tattgatcag ccagctatta atcaacgggt aattttacct gatacag 237

<210> 47039
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038769H1

<400> 47039

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 cggagaagcc ttggatttcg agcctgagga cgatgacttg atggacgagg acggcgcccc 120
 cgacgccgac gccgacgctt ctccacctca acctaagctc aaatccgcca tcacccccgc 180
 cgccacttcc tctctctccg ccccgaagaa gaccaagggc cgcggtattcc gccca 234

<210> 47040
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038770H1

<400> 47040

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 tggttgagga agatattgta atcatgaatg ttgaagaaga gggtcagcgt ctcagccaag 120
 aaatcaagag gcttggttaag gtccaagcag atggttctta caaggaaca tttggaacac 180
 tatttaacga tgatgagtgt gcaaataat ttgaagcact tggttgaaca ctaa 234

<210> 47041
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038737H1

<400> 47041

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 gattttcaaa ctttggtatc atctagcaaa ggaatagatt aaataattga agttccatat 120
 aaacttaggt tactggtggtt gtttggttaa gtgcttctaa gaacacacga ctggatactt 180
 gattctcatg acataaattt cctagcttga aggaaagaaa taattttctg agtttat 237

<210> 47042
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038690H1

<400> 47042

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 caaggtagat ctgttctatt atagtattat ctgtcacata tatgatatat gctagactta 120
 cgtacaattt agttttattt gtgtgccggg tgtgtgaaag gaaaaaaaaa caagtcaaaa 180
 ggtgttctgc tgcacttgaa tccagtgtcg tatctgtgtg tgctgctttt cttttctctt 240
 tc 242

<210> 47043
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038691H1

<400> 47043

gcaacacaca cttcaattta tcagcatggc ctccgttcag tgccacaaaa cctgcaaagt 60
 gagctgccaa caggaaaacc agcacgcctc gtttgggcag aaagtttctg acttgttcaa 120
 agggcatcaa cataatgacc acagctccaa ttatgccacc caaaccaaag tgctttccca 180
 gtcaggggtca gggttaggcc ccttcaccac canaactcaa acacaatgcg gttggcccc 239

<210> 47044
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038693H1

<400> 47044

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 ttcttgctgt tggacctgga ccaaaatctt ctgtggatc ggtgactggg agattgcccc 120

tgctttgaca gcattcaaga agcatgtgct aatattggtca aatcacctga gcttggtgcc 180
 acttggtctg tgttctaacg cattatctag cattcggttg ctgattcggg agttatagtc 240
 ac 242

<210> 47045
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038694H1
 <400> 47045

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 tgagaccttg ctgcaaagggt tctctcttag cttagtaaca atggggttga aagcactttt 120
 tgtttggtgc attatatggt taggttttagc acatttgtcc cttggaggaa gagtgaggca 180
 ctacaagttt gatgtggagt acatgatcag aaagccagat tgcttggaac acgttgtgat 240
 ggga 244

<210> 47046
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038695H1
 <400> 47046

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 ttcccttgta ttggcttctc aaagccatgt ttctctggg aaactagtcc ctggactatc 120
 atggaattac tatttgttga catgtcccaa gcttgagagg attataagga agcatcttga 180
 ggatgtcttc gagaaggaca gtggagtagc tcttggcata cttcgactct tcttccatga 240
 ct 242

<210> 47047
 <211> 198
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038701H1

<400> 47047

gcgcagtcgt ttgattgtga agtgagttcc gattgagcac gtcttggagg caacgacgtc 60
 tacggcagct cctcgttggt ggtaaagtcg cttgtccttt cagtccctcg atgagtcgcg 120
 caaccctaa aaagcacttc ttagttctcc ctctccact aataaacata gtcattgctag 180
 atattaatta acatcagc 198

<210> 47048

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701038702H1

<400> 47048

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 ctatctgctc ctgttgccgc tagtgggtctt gagcggtgaa tgattcactt tcaggaacag 120
 aaaagccctt gacgctagcc atcgctcgctt ttattgatag aaaaaagaat acaacatata 180
 ttattttttc ccactacctt tttccttcac cacccttttg cttctccctg aattaccggt 240
 attgggt 247

<210> 47049

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701038705H1

<400> 47049

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 gaattagaaa agcattcaaa gctttgaacc caatttcact gtttgcacct caaacatctt 120
 agaagtccca attgagtctc aattccacaa ccaaaaatgc acagttcaat ttcacaatct 180
 gatattttta tcaactgatta cttgtaccc caagaagttc catttcaatt tcaatttcaa 240
 gat 243

<210> 47050

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701038707H1

<400> 47050

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gggtaaataa aaagatgatg agagggtagt tagaaactcg taaatcagct agactctaag 120
cgttgttttt cttgactaaa catcttactg tcaattttat tttttttgga ttttgatttg 180
agaaaattaa ttgatgtcaa gtgcatttga agacagttta taattattga ttttaattaaa 240

<210> 47051

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701038708H1

<400> 47051

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gtgcttgagg catatccttg atgggaaata acaggttttag actgtcagat atgatgccaa 120
atgcatgggt ttataagctc aaagatatga gcaaatcaag gaagagaaat gttcctcatg 180
ttatgaagaa caaagtagcc tcaccaacaa catcacaaag gtcacagcca agatactctc 240
att 243

<210> 47052

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701038709H1

<400> 47052

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ccttaaccct aaccatctca gcagaatata caggctttgt gggcacaata gacccaaagt 120
ccataggcat aaagcacaag aaaaccctaa gccacttcag attctactgg cacgaagtct 180
tcagcggaga aaaccccaca tcggttagaa tcattcccgc actccccaaa tacaacacaa 240
cca 243

<210> 47053
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038711H1

<400> 47053

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 agccgagtga cacagttttg tttagacaat cagaagacat ttttggcgcg taatatatct 120
 gggttttgtt cagaacccaa aatcagattt gcttgcttaa aaaaaaaaaa aaaaaaacia 180
 aaaaaagggg ggcccccgca tagtgacctc ggtcaccggg aattttatttc gggaccgg 238

<210> 47054
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038712H1

<400> 47054

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 tccaacatg gtggttgatt tcattcaaact actggactcc cttgcacata tcaaccacca 120
 tgttgggtcc aagggagtcc agtatattgaa tgaaatcaag gattctgtgg ttgctggatt 180
 ccagtgggca tcaaaagaag gtgctttggc tgaagaaaac atgagagcca tc 232

<210> 47055
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038713H1

<400> 47055

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 gcttcagctc aacgaagttg gaaacaaagt atcaggatgc atcaagatat tctgttggag 120
 cttctttacc aaaggcaacc cagtttacac ctttgttgat agtgtctaga tcgagaaagc 180
 ttgtcaagga aagaagattt ggtccttgtt tttcagtggc agatagtgat cagcttgcag 240

c

241

<210> 47056
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038715H1

<400> 47056

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 aaaaattcaa gaatcagttg gtcaatcaga gtacttatgc taagcttgga tgcacacaag 120
 gatgggtttt tgctcctctg ttccatcctc cttccagcaa catagcacat cttgcaaaag 180
 taaaagtcac gaaaacgcat ggtgggtggg aagacttgca aattccttcc agcatcaggt 240
 ca 242

<210> 47057
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038719H1

<400> 47057

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 ttgataagag agatgatgat caacgtgaag gaatcgacca tggcgcgcc gccggaggag 120
 gtggcgcgcc ggggtggtgtg gaactccaac gtggacctgg tggccccaa tttccacag 180
 cccagcgtct ctttctatag gtccaatggc gccagcaact ttttcgacgg caaggttatg 240
 aag 243

<210> 47058
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038720H1

<400> 47058

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09531113 032200

ctttccaaac tggttacattt aaacttaca cactgcaaga gattgaaata ttgcctgag 120
ctcccttcac gaactgatgt cccatcacca tcaagtaaca agctgcggtg gacaagtgtt 180
gaaaatgagg aaatagtatt gggattaaat attttcaact gccagaatt agttgagagg 240
ga 242

<210> 47059
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701038721H1

<400> 47059

cggaaccgca cgcgagggtc tcggtcgaac cggcctcgga ggtttccaag gtcgcactcg 60
accggggcact cgctgggtcca accggggagaa aacactgacc ggttcacttt gaggttgcct 120
ttggagggtga ggaagcaatt aataaaccgc caattgcaac gtgcgagtag cttgatcgtg 180
ttaccaggg aaggtagttt gcggcagggt taccgaaccg gaggagaagg gagtagtag 239

<210> 47060
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701038723H1

<400> 47060

ctcaaagtct ggggcttcaa tgacctgtgc tggttgccag ggtactggca tgaaggtgtc 60
tattaggcac cttggctcct ctatgattca gcaaagtcag catccttgca atgagtgtaa 120
gggtactgga gagacaatca atgacagaga cagggtgcaa cagtgcagg gagagaaggt 180
tggtcaggag aagaaagtac ttgaagttgt tgtggagaag ggaatgcaga atggacaga 239

<210> 47061
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701038724H1

<400> 47061

gaaacatttc actaatagcg agacataagc ataatttga gaaataatgg agggttgtac 60
 ttatcgtggg aagttgctat gcctttagg ggttgtggag cttgtgagta ctattgcagg 120
 ggtggagagt gctggtgaat gtgggaaatc taccatccca gataatgagg cttataagct 180
 tgcaccatgt gcctcagcag cagaagatga gaatgctagt gattctcaga gttgctgtg 239

<210> 47062
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038725H1

<400> 47062

ggtatacggg gatattggta catcaccact ttatgtgtat gcaagcacct tcactaaaaa 60
 aattaacaac aatgatgaca ttcttggcgt cttgtctctc atcatctata ccattgtgct 120
 catacctttt cttacatatg tcttcatcgt attgtgggcc aacgacaacg gcaacgggtg 180
 agcgtttgca ctctattcgc taatctgtag gcatataaag atgagtttga ttccaa 236

<210> 47063
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038726H1

<400> 47063

gagagaccta gtttgaaaca tcaaaggaaa tggaactccg accccaatta caccaaata 60
 tggatgata gaggtgctaa aatctttcag gcagacaagt atcggaaagg tgcattgtgag 120
 aattgtggag ctatgacaca tgattctaag tcatgcatgg aaagacctcg gagagtggga 180
 gcaaaatgga caaacaaca cattgctcct gatgaaaaga tagaaacttt tgagcttg 238

<210> 47064
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038728H1

<400> 47064

ctaacgcgtg catagcagag tcagagacag agacgcagcc atcgggcgga gacctgcgag 60
 gtgttatagg caaattaaga acaagccata cccaagtca cgtttctgcc gtggtgttcc 120
 tgatcccaag atcaggattht atgatgttgg tatgaagaag aagggtgttg atgagtttcc 180
 tttctgtgtc catctggtta gttgggagaa ggaaaatgtt tcaagtgagg ccctggaag 239

<210> 47065
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038729H1

<400> 47065

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 atcgacttag tataaagaat attattatgt gagggcaatc accaatcagc tactgaagaa 120
 tttccctggc tgctatacta ttatgcttga aaacaatgaa gttttgcatt gaagcaaatt 180
 ctattgtatc caagaaccct ctaatgctat gtgagcatag caaataacct tataattccc 240

<210> 47066
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038733H1

<400> 47066

caagattcta agagagattht tactgctctt tgaagaaggg tgtttgcttg attttcgtga 60
 tgtegtgtgt ctcagatctc atgaacctta acctctcaga cactactgag aaggatgatcg 120
 cagagtacat atggatcggg ggatcaggaa tggacctgag gagcaaagca ggactcttcc 180
 aggaccaagt agcga 195

<210> 47067
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038736H1

<400> 47067

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 ttttcttaat ttaccaaaaaa aatgggttcta tgagtctcac gagtacgcat gcgatggatc 120
 cagaaggtgg aacaactcgt caaaactctg ctaagagaga gtcgtggaga acggttctga 180
 ctctggcgta ccagagttta ggagcgggtgt acggcgattt gagcatttcg ccgttgt 237

<210> 47068
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038686H1

<400> 47068

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 aacctgttat cagcgaagag gaaccgaagt gttggatgat gttatcaatg aagaggaagc 120
 tgttgtggcc gagacgttga agggagagga gcctatcgtg gctgagacat tgaaggaaga 180
 ggttgtggat gagatggcag aacaaccctt ttgtaaagag gaatcggaga aggggtgttc 240
 gg 242

<210> 47069
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038643H1

<400> 47069

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 taaatcagtt tttgataata ttaaaagcta tttgattgaa gaaaagaact atatggatcg 120
 agaagatgtg tcttttagatg tttcaattgc ggatagaata tggaagtgcc ttcctcgtag 180
 aattgaatct caaatcatcc aggttcccca acagaagaat gaatatgact gtggtctttt 240
 tgtattgt 248

<210> 47070
 <211> 249
 <212> DNA
 <213> Glycine max

0052113.032200

<223> Clone ID: 701038646H1

<400> 47070

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gattttgggc tgacatacct taaagattgt gaaagtctca tttccttaaa tctaaattac 120
tgtgacgaaa tttcagatcg tggactagag tgtatcagtg gtctgtcaaa cttgacaagt 180
ttgagtttca gaagaaatga ttcaatttct gctcaaggaa tgagtgcctt ttctggtctt 240
gttaacttg 249

<210> 47071

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038648H1

<400> 47071

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gaagtcctct attcagaacc agatatggag acaaaacca ccgagatcag cagcggcaag 120
atgttcggag gctacaacaa gaggttcaga catttcagcc ctaccctcgg ctgctccatg 180
aacttcaca tctacttcac tccatctcct tctccctctc acaaattccc agtcttgtac 240
tttctctctg gcc 253

<210> 47072

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038649H1

<400> 47072

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aagagaaaaa gagacaacaa aggtagctta cgcagtggag cagcttgtag ccttcaatcg 120
atacaatccc gatattcttc cagatctcga aaactatgtc aacgaccagg tttcgtcgca 180
aacttatagc ctggacgcga atctctgcct tcttcgcctc taccagtttg aatctgagaa 240
aatgagttcc cag 253

<210> 47073
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038650H1

<400> 47073

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 gttcacaaaa acctttcact tctattttca atctttctag ttccttctcc catattatag 120
 taccctttta tccaagtta cttaaattta aaacctttat tactgctcat acttggtttt 180
 cgctttgtta agttttaaga aaaatggagg cacattctcc agttatagcc aagaagctat 240
 ggaatgtgtt g 251

<210> 47074
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038651H1

<400> 47074

cgagaagcac cagcgcggtgt ggctgggaac gttcaacgag gaagacgagg cggcgcggtgc 60
 gtacgacgtc gccgtgcagc gattccgcgg caatgacgcc gtcacaaact tcaagccgct 120
 ctccggcacc gacgacgacg acggggaatc ggagtttctc aactcgcatt cgaaatccga 180
 gatcgtcgac atgctgcgta acatacgtac aatgacgagc tggaacaaag caagcgcacc 240
 gcggcttc 248

<210> 47075
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038652H1

<400> 47075

tgaaaatctt ccaccaaag taattaaaca acttgccaag gagttgaaaa gtcttgatga 60
 atccccctct gagggcatta aggttgtggt aaatgatgat gatttttcga caatattttc 120

tgacattgaa ggcccaggta agtagctttc atgtggtatg ttgcatgatt gagaactccc 180
attgggtagg gcc 193

<210> 47076
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038654H1

<400> 47076

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tctgccttac tcaactctcta ctttgctcat catcgtagat gaaccaacac ttctagtctc 120
tcttacttta taaccatgta aaaatgagtc acctaataaa aaattagtag cttcttggtg 180
tgctttttat tttgtttgtg ttgagataaa tttgtttgtt tgtttggtat tgttttgtgt 240
tttatgaat 249

<210> 47077
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701038655H1

<400> 47077

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gattgtaatg atgttggcac taatgacatg cgtgagcaaa atgtctttga aactttgatc 120
ggaaagcagc aacagctcct actcgtact caagttgtca agatgatact gaaaattgat 180
gatgtcatct ccccatctga gtactgatat ttttaaactc agtcatgggc tacgtcaaga 240
tgctgaat 248

<210> 47078
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 701038659H1

<400> 47078

cgatttcacac acacttatag ttctctcttc tctttctttt cctttctttc tccgccgaag 60
 atggcgccgc ccacgccagc agttgacggc gccagggcgc cgcaagggcg gcagcaacag 120
 ccgcaaggag gggttggcct caccggaatc atacgcatgg tcgttttctg gtacttcgct 180
 tccaaattct tttcccccaa aaaacctacc gaaccttcg ctctcatctc caatc 235

<210> 47079
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038664H1

<400> 47079

tgctgtatac acaattacaa tcctcacaat cctcctccct tcattttctca aattctcaat 60
 atttcaccaa ttcaaaaccc ttcattcattg atcttttcac tcttttcttc tttgctcgca 120
 acattcattc acaatttggg tgctccttct gtttcttctc ctcaccattg gattggataa 180
 tctgcaattt cttcaattga caaaagcaac gggagttggg ttccaaogga attatggttt 240
 tcctcattgc gatg 254

<210> 47080
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038665H1

<400> 47080

ctcggaacgc ggctcgagct tgaggaaact ttgtgatcca taaataagtc tcagaacacg 60
 aaattctcat cacaaaattc tcataccaca atacaaaaga gattgaagct agcagactca 120
 tcaaattggcg gaaatggcag catccttcgc acgagacaaa ttgctttcac tgctaagcaa 180
 tgaagcaaac ctgctttccg gcacccccaa agaatttgca gacataagac aagtactcag 240
 atgtcatgca agccttactc taggatgcag 270

<210> 47081
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038667H1

<400> 47081

cggctcgaga aaaaattggt cttgtttgtc catttagcca tgaagaagtt gtctttctcc 60
atccccaccg caaaacccca atcgggtggac acttccacca cccgaaagga cgacgacagc 120
gacggaacca aacagtacat caccgaattc gacccttcca aaccgcgaaa ccccaaaatc 180
acaatcccc caatccaaaa ccagtgggaac cccaacaag acaacgaaca cagcaccacg 240
cggtggcgcc 250

<210> 47082

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 701038668H1

<400> 47082

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taaaaaactt atccttctct ttttactttg ttaaaaaaaa ttgaattttg ctaaggaata 120
tactgtgcat atcctttggg tattctagta aagtgatgaa agccttcatg gttcaaaaaa 180
aagagtaaaa aaaaaaaaaa aagggggggc cccaataa 219

<210> 47083

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701038669H1

<400> 47083

acgttttccg atcctctttc tcgtcgccac cctcatcacc ctgcctccg gtgcacgcca 60
cgatattctc cggttaccct ccgaagcttc caggttcttc aaagcacctg ctaatgccga 120
tcaaaacgat gagggcacca ggtgggcccgt ttagttgcc ggttccaatg gctactggaa 180
ttacaggcac cagtctgatg tttgccatgc atatcaacta ctgaggaaag gtggtgtgaa 240
agaggaa 247

<210> 47084

<211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038670H1

<400> 47084

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 atcatcaaaa atggttttgt cttgggtcaag aaggaacggt ttccgccgtg ccaagaagga 120
 gaagtcacaa actcaattgg aagtggaggt tgtgattccc aaccactttc actgcccggg 180
 gagtctggag ctgatgacag acccagtac tttatcaacc ggcacacct acgaccgtgt 240
 gagcattga 249

<210> 47085
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038672H1

<400> 47085

actgacatca gggttggaat cccagcatct tgtcatgatg tcagccaaca atttgctgaa 60
 attgtgggaa tgcttgagag tgcagagaat gagatcatga caaaagttca gaaggctcgg 120
 ttcaggtgtt gcatgaccca tccaatgact gctgactgat ctgatcctct gcgaaagcaa 180
 atggaaaaaa gtcataaaaa catagactgg aaaatttggg ggcaagatga aactctggta 240
 gtgaagg 247

<210> 47086
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038674H1

<400> 47086

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 ataagccagt ggttgatcct tctggtgtgt gcgctgctgt tgctgatatc agaagcttct 120
 tatgtgccaa tcactattgt tcagaacgcg gtagcaaaag gagctgtttg tttggatggg 180

002200"ETTES60

agtccaccag cttatcattt tgatagggga tttggatcag ggattaacaa ttggttggtt 240
gca 243

<210> 47087
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701038676H1

<400> 47087

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ccaaccactt ccattgccac caattgcttc ttcttggtta ttttgctccc ataccattag 120
caacactgtg ttagatactc agatcccccc tcttttctct atgccattcc ccagctggg 180
aagggtgtac tggaatcaga gtgtagctgt ggggtgcaga ttgattacta ttcttggtt 240
g 241

<210> 47088
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701038677H1

<400> 47088

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cttcagctct gagcattcga gcaactcggt tgattattct gaccttggat ggggtgaaca 120
agtccccaag acccccgaga tctcatcctt gctttctgct gtccttttgg aggggtgctgc 180
tgatcagggtt cagaagacca acaactcgca ggatgtggtg gctgcacaag atgattctgc 240
aaaa 244

<210> 47089
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701038680H1

<400> 47089

0022230"ETTES60

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agtcacaact ggtggaaatc tctggcggag taaacacacc accaagaata ttacttttgc 180
aagttcttgg atatcaaaag cttcacgaca caaaagggaa actcaaatag aacataatgt 240
tttgaggt 248

<210> 47090
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701038683H1

<400> 47090

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ccttcgtgca ctggtatgtg ggtgaaggta tggaagaggg tgagttctca gaggctcgtg 120
aggaccttgc tgctcttgag aaggattatg aggaggttgg tgccgagtct ggtgatggag 180
atgatgatgg tgaaggagat gatgattatt agagtgtctg aaatatcgtg tgtttgatgt 240
cta 243

<210> 47091
<211> 187
<212> DNA
<213> Glycine max

<223> Clone ID: 701038684H1

<400> 47091

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agtccccaaa ccaagaaacc ctaaattaaa ttcatgtgct cctccggggtc taccagtgtc 120
gcaccaacaa gaccttggtta cttggaacaa ggccacggct tggcttcctt aaaacacatg 180
gatgcgt 187

<210> 47092
<211> 182
<212> DNA
<213> Glycine max

002220.032200

<223> Clone ID: 701038685H1

<400> 47092

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aggtacccca ctatacaaca tcaaggcata cctccctgtc atcgagtcct ttggtttctc 120
gagcacattg aaggctgcaa catcaggcca ggccttccca caatgtgtgt ttgatcactg 180
gg 182

<210> 47093

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701038642H1

<400> 47093

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taactttgga attccaggag caatttacat cagaaactat acgtatgatg agttcttcct 120
tgtcagtgtc actcttgagg acattccaaa tcaaggaacc attcactttg tttgtaactc 180
atggggtttac aacttttaaag actacgacaa aaaggatcgc attttctttg ccaataagac 240
atatcttcca agtgca 256

<210> 47094

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038611H1

<400> 47094

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gaaattgttg atgaatgggt gaagttgaat cctcaggga gaagcaacac tctgatggct 120
catggagact cgccgcctgt gcagaaaacc acccaaatg ggcatcatca tcagcagatt 180
cctgattttg catactctcc caatccacac aacggtagct cccggnngc gcgtaacaac 240
tcagaa 246

<210> 47095
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038612H1

<400> 47095

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 gttcgggaaa tcctaactca tcattctcaac tcaagtcatt gctggacttg cacctgaggg 120
 atcacagtgc gatgctcgtc aatatgattc taaaatgagt gacttacttt catctgatgg 180
 acaggacttc ttcacatctt atgaggaggt ttatgatagt t 221

<210> 47096
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038613H1

<400> 47096

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 tggcggcaga tgaagatatg tctttgaagt ctaattctgag tcaatcaaat gaaacttgga 120
 agcaggagat ggaaagaagt caattctcaag tggatgtatt gcaggcaagg ataatggagg 180
 taagggcaca aatacaaggc tcaaaggaag atgcaaaaaa ggagttagag gttctatgga 240
 gaagagtcaa g 251

<210> 47097
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038614H1

<400> 47097

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 cgatctcaga ttccgggtcac tctctctgcc ggcgatccct tattctctcg tctccgtcg 120
 agtcctttcc gattcgaatc gttcccagcc ttgtgccacc atgaatcccg aatacgatta 180
 tttgttcaag cttttgctga ttggagattc tgggtgtaggc aagtcattgc ttctctgag 240

002220.F.F.250

gtttgctgat gat

253

<210> 47098
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701038615H1

<400> 47098

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ttcattttcca ccgttcatgg atccactaag cgtgtgggggt aacacgccct tggcgacgggt 120
ggatcccgag atccatgacc tcatcgagaa ggagaagcgc cgtcaatgcc gcggaatcga 180
gctcatcgcc tccgagaact tcacctcctt cgccgtcctc gaggcctctg ga 232

<210> 47099
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701038616H1

<400> 47099

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gagaaaaattc gcgcagttac tgctgatcca aacaggggtgg tgttctcatt tgagttcttc 120
ccccccaaga ctgaggatgg tgtggacaat ctgtttgaga ggatggaccg catggtggct 180
cacaactcct ctatttgcca catcacttgg ggcgctggag ggacaacggc tgatcttaca 240
tcggaaattg cc 252

<210> 47100
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038617H1

<400> 47100

ggcttccaag gagttctctg gtctttgctc cttggctcct tcactatctg agagcatttt 60
gtgcactact ggggtgaaaa tgtatatgct ggagagcaaa ggaggtgccca tagcatgcat 120

gttcttgcct cttttcttct tggggacatg gcctgctctt ttgactatgt tagagaggcg 180
 tggtcgtctt cctcagcata cctaccttga ttactcaatc accaatttct tggctgcttt 240
 actcattgct ttt 253

<210> 47101
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038618H1

<400> 47101

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 aatatggcag ccgatacgga acctaagaag atcataattg ataccgaccc tggcattgat 120
 gatgctatgg caatattcct tgctctacaa tcacccgaag ttgaagttat tggactcaca 180
 accatctttg gaaatgtgta caccactctg gcaaccagaa atgccttgca tttgttggag 240
 gttgctggga gaa 253

<210> 47102
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038619H1

<400> 47102

acacactctc atagctgtag acggcgacac taagatcgga gaaagaatgg cgaaaacgac 60
 gtcgttgctg ctctttacac tgctcctctt cggaacccta gctctcatcc aggccaagaa 120
 atcgaaggag gatttgaagg aggtgaccca caaggtttac tttgatgttg agattaatgg 180
 aaaagaagca ggtcgtattg taatgggtct ttatgggaag gctgtccaaa aactgcagaa 240
 aacttcggc 250

<210> 47103
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038620H1

<400> 47103

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 aggaagagca acttattggc agcttacaag ccttcaagca ttttggcctg gcctacaggt 120
 tcttattggg gatgttatcg ctgccaatc atctcacgg gagtttttcc atgtgtggaa 180
 gaactatgga gtgctaccag agaggtatct gctggattat cagatgcttc accctactga 240
 gaaatattac cct 253

<210> 47104

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038622H1

<400> 47104

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 cacacatggt cctccacgga agcgacagaa tcttcttcta gaaataccct caagaacaga 120
 agagagttct caagaatttg ttgcaatcaa aatgccaccg acaccagtt ccaatccac 180
 tctactcca aagagagtga attttcttgt atcggacacc ggcagatatt gaaaaaccaa 240
 atactgcagc tcc 253

<210> 47105

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701038623H1

<400> 47105

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 acacaaggac cataacatac ctatacctca atatcacaag tcttatggag gcagagcgag 120
 acaagtacaa gatgatcaac tttgaagaaa ccgagttacg actcggcctg ccactcagtg 180
 gaaacgagac gctcaaaaac acttgcagca ctgggaagag ggttttttcg gatactgccg 240
 tggatttgaa gc 252

<210> 47106
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038625H1

<400> 47106

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 cttctcttgc tgttttcttt ttcttctcct ccttggagaa gagttttgcc tttcaagcag 120
 caagaaagga ggacacagaa agcaacaatc ttcataata tactcatctt gttcacctca 180
 gctcactcct tccttcatct tcttgcagct cttctactaa aggtctaaaa acaaaagcat 240
 cattagaa 248

<210> 47107
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038626H1

<400> 47107

cgaatagcca ctttgcgcac cacgatgagg tgatgcttct gggacacgac gataagtatt 60
 tgccagatag gggcatgcag gttacaatcg cgtttaatca cttcggtgag ggtctgggtgc 120
 agcgtatgcc acgatgcagg ctcggttaca tccacgtcgt taataatgac ttcacgcagt 180
 ggaagatgta tgctatcggc ggtacgctaa cccaccatc aacagccagg gtaaccgtta 240
 caccgctccc 250

<210> 47108
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038627H1

<400> 47108

gtgagtcaga gcaaccagc agctccacca ccacctgtgg gttatccac taaggatgat 60
 gttccttccc aacaaaatgt tccaatcaaa acctctacta ggggtgatgg cttttggaag 120
 ggatggatgag ttcatttata accaaaatct tactttgtct aattaattag ggtactgata 180

tttatagcaa gtacaataat taaggacaca agttaaagaa ttttaaaata gaaagttttg 240
tattgaa 247

<210> 47109
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701038628H1

<400> 47109

gtcgagttca acgctgctcc acccagtcca cttttccatg atgtgaaaag cgaggatgaa 60
tacaatgaag aagaggaaga agaagaagaa gaagaagaag aagaagaaga agaattggac 120
agtgatgatg atgatgagga tgcagacgaa gatgatgatg tttcgagcaa ccatgtttca 180
acgccgttca tgaatccagg gtcaaaaggg catggctgcc aatcgaacca gtttgcgata 240
ttggatattt tg 252

<210> 47110
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701038629H1

<400> 47110

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ctcttctgta catgcagcta tatgggcacc taagacctat gtgtcttaag tgggctgttc 120
aactaggtat tccagacata atacagaatc atgccaaacc catttctctt tctgacttgg 180
tctctactct tcaaattcca ccagctaacg ctgcttttgt gcagcggttc atgcgcactc 240
tggcacacaa 250

<210> 47111
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038631H1

<400> 47111

002220 032200 47113 47112

ctcgagcgat tcggctcagg tgttgacgtt ttctttgttc ttcactgtgt atgcgaccat 60
ggatgatccc aagaaggag cacttgctgg gcttgggcca acgctgggtg gggttgtggg 120
tggggccaac atcctcgcag gtggggctta ctctgctgct tctatgaacc cagcaaggte 180
ttttgggcct gccttggtcg ctggaaactg gaccgatcat tgggtttact gggttgggcc 240
tctcattgg 249

<210> 47112
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701038633H1

<400> 47112
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caagcttctc tgcggtcat tgcattcca atctcgcttc ttctctcaga ttcagatacc 120
aattcggttt cttccgaacc aaacttggtt ttgagaaatt cggcaattga ttttccatgg 180
ccaacaatcc gtcacagctt ctcccatcag agttgattga ccggtgtata gg 232

<210> 47113
<211> 213
<212> DNA
<213> Glycine max

<223> Clone ID: 701038634H1

<400> 47113
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agtttttaaac gaggatatct gcaggttatg gaaaaatctc tgaaggctca ttatatatta 120
ttaagtctgc tcaattctgg gatataattt tatgaccttg tgtaactca tacatctttt 180
ggggtttctc aggctttggg cgtgtaatag att 213

<210> 47114
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701038635H1

<400> 47114

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gaaccgggtc aagaaataaa cctcgctggg aaccgttgat tgggtttgta cgaataattt 120
gaaatgaaga ttcagtgcaa cgcgtgag gccgcggagg ccaaggttct gtgctgcgcg 180
gacgaggcag cactgtgctg ggaatgagac gagaagggtc acgcagcaaa caagctcgcc 240
agcaagcacc ag 252

<210> 47115

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038636H1

<400> 47115

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ggtatgaatg attacaaagg aagagaagga gaaagtagtg ttgttggtcg gaagcgattc 120
aaggagaagc agcaacaaca acaacaacaa ccctttcctt ccacaagggc catcatcaac 180
caacaacacc gtcgctgtgc ctccctcccc aacaacactc aatacgagga atctgaaaca 240
gatgtcgaag tgt 253

<210> 47116

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701038637H1

<400> 47116

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ctccgagtgt gttagaagtc cgccctcctg ctttaacttc catctctgaa ccacttccat 120
tttttgatgg aaccacaagg ttatacattt gctatctgtg cccttttgca caacgcgcat 180
ggataactag gaactgtaag ggattgcacg acaagatcaa tttggttcct attgatctta 240
aaaacagg 248

<210> 47117
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038638H1

<400> 47117

accaaacc aa agcaagaata gtgttctaag agtgagcaac aacttcaaac accattgtga 60
 gaaatggctt ccaaggggtgc acttctcttg tgtctcaaca ttctcttctt cactgtggta 120
 agctccacat atgtcccatg caaccacccc cctaaaactc ctaaacacac acctgtccca 180
 aagccacctt ccccaaagca accaagttgc cccaaagaca ccattaagtt tgggtgtgtgt 240
 gctgatgtgt tag 253

<210> 47118
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038639H1

<400> 47118

gttcatttct acacatccct agctctgtcg ttccgtcggt gacgatggcg tttcgggtgc 60
 gaagccctga cctccgctct ctctttcttc tctctctctt gtccatcgct tccgccaatg 120
 tcttcttcga agagcgtttc gatgacgggt gggaaaatcg atgggttaaa tcagattgga 180
 aaaaagatga gaacgtggct ggggagtgga accacacctc tggatcaatgg aatggagacg 240
 ctaatgaca 249

<210> 47119
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038610H1

<400> 47119

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 tcttctaaat ggaaagcctc caagttactc attcaatcag tcttctgaag gaaccaaaga 120
 cggggaggaa aatgataaat ggaaaggaaa ttccgatgat aaaccaaagc acttacctac 180

agttgataca gaggatagtg ttccgggagt tttgtatgat ttgctgcaga aagaggtctt 240
agccttgagg aaag 254

<210> 47120
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038575H1

<400> 47120

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ctgaaattaa ggagcaacaa ctagccacag aaacttctag cactatacac caciaagggtt 120
ctgaattgtc tgaaaccaat cagcagaatg atcgaatacc atctgatgcc cgggtgaagc 180
agatacaaga tcagcttata caagctaagg tctatctttc ccttcagtt gtaaaatcgc 240
atccacatct cactcgggag cttcgattac gggtaaaa 278

<210> 47121
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038576H1

<400> 47121

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gtatcagcgg atttagtgaa gcagtatgca gaaaacaacg atcttttctt tgaacaattt 120
gccaaagtcca tgggtaagat gggaaacatt actcctttaa caggggtcaag gggagagatc 180
agaaagaact gcagaggaat taacaagtga tgtagtgata tcattgtcat gtgacacgtg 240
tgaaagttgc acctacattt tacttttctt cctctt 276

<210> 47122
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038577H1

<400> 47122

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 ggcaccttcc ttatgtctat cccttccaaa cacttccacc ttctctgatt tccacaagct 120
 aactgtttc tgtttccacc caaaaaaacc gattcggcaa tttatgtctg gttgggtccc 180
 agaagctcgg cacgtggcgg ccattttggg ttaccgaaag aagcttaatg cgttgagcca 240
 agatggagag agctaccacg ggacgatgga ggataac 277

<210> 47123
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038578H1

<400> 47123

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 acttgaaaag agaagaagaa gaaaaaagtg gttttggaga aatgggtgag caatcgggtgc 120
 tgggtgctcga aaagcaaggg gcaaattccag tggtatcaga aggaatccac gattgggtgt 180
 ttgactgccca tgggcttttg cacaatgcgg ttttgatcat cgcttctttg cttttcgtct 240
 tgtacttagc actgcaagct gcaaagagct tcctcaga 278

<210> 47124
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038579H1

<400> 47124

ctcaatttca gttcttctac gttctaacca ttcgcaaaac gacttcgttt taatcttaca 60
 tcctcgtttag tcgtagtac ttacgcgaac cagctgaatg cacggcaacg tcggtcacgt 120
 gaccaatggc ttctcatcaa ttctcgaca acttcataat ttccgatcac attctcgtac 180
 cgggtcctc cgactccgag gttgaaaatg tcggtgacgt gcctcactgt ccggtccttg 240
 ttttcgtcaa ctccaagagt ggcggtcaac tcggcggaca 280

<210> 47125
 <211> 286

<212> DNA
 <213> Glycine max

<223> Clone ID: 701038581H1

<400> 47125

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 ccaaattctg acattagcat aggagcactg tgattttgga tgactatatg gtcttccagt 120
 tatcccttgg taatatatgt gactttgtag atgcataaat gttgtcgctc caaggtgtct 180
 taatgacact gcttctctct gtgtttggct ttgctttag ttgatttaac atgtcttttg 240
 cccaaattgc ctgataatca gatttcagat ggtctatcct gtaaag 286

<210> 47126
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038582H1

<400> 47126

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 accctttcaa cgcattgctt ccctcccaaa ttcttcacct ttctccctc tttcccttca 120
 tttttctatt atcttacatg ttgttgcatc cgtgccaaaa ggggtttgtt cctgcacaat 180
 taaattcaac cccttaggct ataaaaaaaa aagatttttc attttcaatt ctttgggaagg 240
 tttcaataat aagaagccct tgattctaga agaaa 275

<210> 47127
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038583H1

<400> 47127

ggggaacacg gagaagctga tgaaccagat catggaattg aagttcacgt cgaaatcgct 60
 gcagcggcaa tcgcgtaagt gcgagaagga ggagaaatcg gagaagctga aggtgaagaa 120
 ggcgattgag aaaggcaaca tggacggagc gcggatctac gcggagaacg cgatccgtaa 180
 gcgcacggag cagatgaact acctccggct tgcctcgcgc ctggacgccg tcgtggccccg 240

cctcgacacg caggcgaaga tgacgacgat cagca

275

<210> 47128
<211> 278
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038584H1

<400> 47128

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ccacgtgtct ctccatgctc tccctccgcc gcttctccgc gtgccgacac ttcgcccgtc 120
gcctcnctcc ctccgacttc gtgcccgcgc tctcgcgcgt agccgacgtc ctctccgcct 180
ccgacttcta ctccgtcctc cagctccgcc cttctgacgg cggcaaccgc gacctcgcgc 240
ggcggcagta cgcaaaactc gcactcctcc tcgaccca 278

<210> 47129
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038586H1

<400> 47129

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gattccaagg attctcagaa aggaggaccc caaaatgcct tggttgttg tccaactatg 120
ccatccacaa caccgaatga tactggcttt cagagcaaaa gtacagcggc tgtttcagcc 180
tctggttcat ctgaaagaaa tttatcaaca tctgctttga tggaaagaat gccaaagtaa 240
tggccacgtc ctgtatggca tgcaccatgg aag 273

<210> 47130
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038587H1

<400> 47130

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 tatgtaacaa tagcacaact gagtgaaatt tcgtatatta gtatttctgg catatctagt 120
 gaagtctttg aattcttgct ggacttatat gatgtgcctc atactctttc agtttttcat 180
 tggccttgta ttttttctta gcgacataga attgggtttca acatttgaaa gatgcctctg 240
 aagtctcaat aagaatccaa ttctgttaa gta 273

<210> 47131
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038588H1

<400> 47131

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 gaattgaagg ggttgaatga tgattgcgaa cattttgagt cttttccacc tggtcacttg 120
 tactctagca aagagagagc gtttcgcaga tgggtacaatc ctccatgggt ctctgaggct 180
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 aaaagggtga tgactgatgt tccctttgggt gttttgc 277

<210> 47132
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038591H1

<400> 47132

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 ggaaaatctt tctccggcga cctggaattc cgacgaaggt agttgaggct ctttcgtccc 120
 gaaactgagg cccccaagt ataaactttg gtgggtggtg gtaggatctg gcggtgtatg 180
 atgccgatct tgcataatgcc cgttggagac tccggcgagg ttgctttgga ccacaagctt 240
 cttccgtcat caacttatga tcttctaata attaata 277

<210> 47133
 <211> 275
 <212> DNA

<213> Glycine max

<223> Clone ID: 701038592H1

<400> 47133

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accgaatatt ccggggccgg agactcgccg ccggttacca ctgcctctc acttttatcc 120
cctccaacga gacttatcag attgaagcct ttggattctt gcattttgcc aatgtttctg 180
ttgggactcc accattatcg tttctggtgg cattggatac tggcagtgc ttgttctggt 240
taccttgcaa ttgtaccaga tgtgtgcatg gtata 275

<210> 47134

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701038593H1

<400> 47134

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cctcgctctc tatgaagaca tcgtttccaa ggctttccac agcagacatg ggacagctta 180
tctcttcagt aagggtgaag ttatccttga ttttagattt tggaacccta tcattatgtg 240
attactataa acaaaaaactc agatacatgt tct 273

<210> 47135

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701038594H1

<400> 47135

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gagtcgtggt ggacgccgc caccacatgt tgggtcggct agcgtccatc gtggcgaaag 120
agcttctgaa tgggcagaag gttgcggtgg tgcgctgcga agagatttgc atctccggcg 180
gtctggtgag gcagaccatg aaatacttga gattcctccg caaacgcatg aacaccaaac 240

cctcccatgg ccctatccac ttccgcgccc cagccaa

277

<210> 47136
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: 701038595H1

<400> 47136

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aagttttaaag actgctggtg ctgaaggaga aataacagca ggatttttat taaagaaaag 120
tgcaaaaact aatggttgga gcaggcgatg gtttgtgcta aatgaaaaga caggaaagct 180
tgggtacacc 190

<210> 47137
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701038601H1

<400> 47137

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tttcgagttg ttgctaaaga gtgatggact caccgcccag caatcaccac gcggtcgacg 120
gagacgccaa cgacgtcggt agatcctttt cccaccgcca cgacgatgaa gacggcaagc 180
cccaaccct caccggggac gcggcagtc tggagatat tcataggggg t 231

<210> 47138
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701038603H1

<400> 47138

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atctctcacc ttgaattaga aaagcattca aagctttgaa cccaatttca ctgtttgcac 120
ctcaaacatc ttagaagtcc caattgagtc tcaattccac aacaaaaaat gcaaagttca 180

atttcacaat ctgatatttt tatcactgat taccttgtac cccaagaagt tccatttcaa 240
 tttcaatttc aagatat 257

<210> 47139
 <211> 172
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038605H1

<400> 47139

gtggccttttg agggaaagga gggaactttt agtgtgggag ggtggaaact ggaattgggt 60
 ttggttgggg gtaaagagaa tgaagattca gtgtaacgtg tgtgaggctg cggaggccaa 120
 ggttctgtgt tgtgctgacg aggctgcgct gtgttgggag tgtgatgaga ag 172

<210> 47140
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038607H1

<400> 47140

ggcagactag tatccgatcc tctgtcctct cgaagctttc atcgttcaac atattctcac 60
 catctcagtc atgggcctgc tatcttgttt taggtctacc gtcctgagaa aatgttccaa 120
 aggaagctct ggcattgtcaa gattcctgta tacgaacaat tttcaacgaa acttgatttc 180
 gtctgggtggc aatgaatcgt attatgggta ttttaacagg agatcataca cttcacttta 240
 tatgggaact ggaactgtgg gtggga 266

<210> 47141
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038608H1

<400> 47141

ctcgagcgtt ttttttcaaa acaaaattaa ttttattggc tcgaaattga atggttggtt 60
 cctgtatctt gtttcctcta tgcaataacg aagtacaaat agatgggtat acacaacaat 120

tctattttca tatttcataa tataacaatct tacttctttt atggatacaa aaggggaaaa 180
 aaatgatttc acatacaaca attgctcagg gattttgatg gttggatatt tgaattcctt 240
 ttttcaattc ttta 254

<210> 47142
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038609H1
 <400> 47142

agggaagata tcaagatgct tgtgaagaag tgggtgggaca tatatgaaga tgagacactg 60
 gactacaata acaactctgt caacgtggaa cgtttcacat cggcactatt ggatgctggg 120
 ggctttcagt ttgtgccagc accttctgct gcctaataatg cttattattt acagctacaa 180
 attaatgtta attaacgaca aagtatatgt attgttattt gctttttattc gtttttgggt 240
 cttatatatg a 251

<210> 47143
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701038574H1
 <400> 47143

aaaacatctc aatgggttct tcttctatta caacatcgnt acaaaccatg acctcggtg 60
 cgatcgtgct cctgttcacg gtctttgccg tttcctccgc cctagacatg tcgataatct 120
 cgtacgacag cgcccacgcg gacaaggccg ccaacttgcg caccgaggag gagctgatgt 180
 ccatgtacga gcagtggctc gtgaagcacg ggaaggtgta caacgcgctc ggcgagaagg 240
 agatccgctt ccagatcttc aaggacaacc tgcgatt 277

<210> 47144
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038546H1

<400> 47144

gcgtgaagct ctaaataaaa tattgggaga agatattgcc aagcacgtaa ttctaaaggt 60
 caccgaagat ggatccggca ttggggctgc actgcttgct gcctcttatt catcctaaac 120
 tgtggataga gggtagacct gctataaaaa tatatataaa ttgtttgata ttttatatat 180
 atatatatgt atatatttat atatatgtac atatatatat ataggcacac acgcacgtat 240
 agccatgtaa atcagaattt attcacatat ttaatatctg 280

<210> 47145

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701038549H1

<400> 47145

gttcgcactc gcagattctt gagcaagaat aatggggaag aaaagaaaac acagtgagac 60
 tactcaagct gtagcacaac ccaaaaagga agaggctgct ccagagagac cggctaggac 120
 ccttttgggg tggaaggata agaatacaagt tgaggatgat tcaccaatat ttaggaacaa 180
 agagaagcta ttggtcactt gctctaggcg catcaattac aggtaccggc atttgatgtt 240
 gaatttggtc acacttttgc ctcatgttaa gaaggataac a 281

<210> 47146

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038550H1

<400> 47146

aatcatcttt agttcttcag taatttattg tgggattcta ttctaagatt ttgagaatgt 60
 ctagctgtgg gtgtggaagc agctgcaact gtggcagcaa ctgcggttgc aacaagtact 120
 cttttgactt gagttacgtt gagaagacaa ccacagagac tctagttttg ggtgttgggc 180
 ctgtgaaggc caatgtcgag ggtgctgaaa tgggtgttgc atctgagaac ggtggctgca 240
 actgtggatc aagctgcacc tgtgacccat gcaactgc 278

<210> 47147
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038551H1

<400> 47147

ctcgagcgct cacacttccc ccaattccca aacctaaccc tctctcttcc ggcgtactgg 60
 ggggtggcgtc gccagcgatt cccccctccg gttccctctc cacccttcaa ttcaaccctc 120
 tcgtcttcgc ttcactgatt ccctctttca aaatgcttcc gatcgcttgc taggggtttc 180
 cctctcccaa atctcctcct cggaaagcac cctgtacctt ttattcctcc gactaatcaa 240
 cttctttgct atagctattc gtgtaacctt ttcctttt 278

<210> 47148
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038552H1

<400> 47148

ccaacatctc atacacttgt gtgtcatagg gtggtctcct ttggtgagaa ttgagaagac 60
 actcaattca tcaccttttc cctctctcct tttccaaaga aaaagaaaaa aagaagatca 120
 attccaatgg aggtttcatg caaaattttg agaagatcaa tccacagttt tcttcaaaac 180
 taccattatt ttacctcaac tgcagctttt ctagcccttc ctttctccgc atcaatactc 240
 ctatcagaag cttttgtgcc agcctcttca tcctcttgc c 281

<210> 47149
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038553H1

<400> 47149

gcactataga aaaaacgaca ttcattcatc tatggctacc cttattgctc ccagcaacca 60
 ctctcccaa gaagacgctg aggctctcag aaaggctttt gaaggatggg ggactgatga 120
 gaaaactgtc atagtaatat tgggtcatag aactgtttat cagaggcagc aaatcagaag 180

agtctatgag gaaattttcc aggaggatct tgtgaaacgc ctagagtctg agatcaaagg 240
agacttttgag aaagccgtgt accgatggat actagaa 277

<210> 47150
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038554H1

<400> 47150

caaatagggt tagggttagg gtttatgcaa tcgaattcct gagacggtgc atttgtagct 60
aatcgatggc gaatcgacag gatccagcag ctaagagcat aaggggcacg aaccctcaga 120
acctggtgga gaagattctc cgatcgaaga tataccagaa cacctactgg aaggagcaat 180
gtttcgggtt aacggcggag acgttggtgg acaaggccat ggagctcgac cacctcggcg 240
gcacctacgg cggaaaccgc aaaccacgc cgttcattgtg 280

<210> 47151
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038555H1

<400> 47151

gcatattcac atgagctgcc acgatatggt cttgaagtag gacttacaaa ttatgcagca 60
gcttattgca ctggtctcct gttggcccga agagtcctca aaacacttga aatggatgag 120
gagtatgaag gaaatgttga ggctactgga gaggattatt cagtggaacc tgccgagagc 180
aggaggccat tccgtgcact ccttgatgtt ggtcttggtta ggactacaac aggaaatcgc 240
gtcttttggtg cccttaaggg agctctggat gggg 274

<210> 47152
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038558H1

<400> 47152

ctcgagcgtt ataatagaac gcggaaggag aagaagaagt aaccgacgct tgaacacacc 60
gaaccgttct tcgattcggg ttcaagttcg aagaagaaaa gcgatgagtt cgggtagtag 120
cagcagccac agcagtgagg aggagaagga gaagcagaga gtgagtcgga cgtcggatgat 180
actctggcac gcgcagcaga acgacgccgc agctgtgcgg aagctgctgc aggaggatcc 240
ctcgcccgtc aaggccagag actacggcaa ccggac 276

<210> 47153
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038559H1

<400> 47153

ctcgtttatt ctcagaacct tctgaggtta aagcaaaaaa caaagagaga gagagagaga 60
acatgatgaa gccatcgatg ctcagatctc tccactccgc cgccaccgcg ggcgcctctc 120
atctcttccg ccgtgggtac gcctccgagc cggtgccgga gcgcaaggta gccgttctcg 180
gcgcccgcgg cgggtatcgg gcagcctctc tcccttctca tgaagctcaa tcccctcgtt 240
tcgagcctct ccctttacga tatcgccgga actcccggcg t 281

<210> 47154
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038560H1

<400> 47154

tggcgatgga aactatgctc acaacaagtg acagacacag agtagaagca aaagattcat 60
aataactaac attagaaact aggtgaaagt aactgcacag acacacaaca catcttcctt 120
aatttctccg tccatttccc tcccataaat aaatctttca tttccatctt tcttgggtga 180
tccaatggcg acccttttcc agggattggg agttgtgaac ccatcattgg cttcttcaaa 240
ctccaacaag ttccatcttc cttctcgtac atccctct 278

<210> 47155
<211> 278

0053113 032200

<212> DNA
<213> Glycine max

<223> Clone ID: 701038561H1

<400> 47155

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atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120
aggctactca ccccgacacg ttgaaggcgg ggttggtga gttcatctcc accttgatct 180
tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gtcaccgac aacggcgccg 240
ccactcacgc cggcctcatc tccggttcca tcgcccat 278

<210> 47156
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038562H1

<400> 47156

acgacaccg catcaaaagt cactccattc ccatcacaat acaatatcca gcatttcgct 60
tagcgtagga aatggaagtc acactttcat cctgcaagtc cattagctcg ccgtctgttc 120
ccgtcgcagg tttgtttgcg gggaatggag gaattaagag ctcgcaatgc agtttcttag 180
cgggatcgag caaagtcagg tttcctaggc aagtaggtca agttagccac cttcgcaaac 240
agcgccaaac gcgtcactgc ggtgctctcc acgcgactt 279

<210> 47157
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701038565H1

<400> 47157

tagtgtagt tatagcaatc tgaagaacgg catgatagca ttcttagtcc ctctaccctc 60
catcctattc tacctctcat tccaatcggc cattagtact ccttcttctt ggtcttctct 120
gtggacatgg tgctatcacc agcctctgct attggccaat gtctttttct tcttcaatgt 180
caatttcctc ttctgggtca tcggcctaata ccaatccagc cactggatga ttgaccgta 240

ttggacagtg atacctgtga tgcttgt

267

<210> 47158
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038567H1

<400> 47158

agaaaagccc agttttgctg cttcaagttc aagcactcac ttcagttctg ccactgtctt 60
ctgctttgtc caattatagt cattttgaac agtgatgaag caagggtcag caaacaacca 120
acagctcttt tgggcaagag tggttatgcg caaatggctt aacatggcta gtaacgagcc 180
tgattacacc gctgaccctg atgatgataa tgaggatgac cctgaaagtg actcagataa 240
tgaagagttg ggaaaacgga cacggtttgg ggacagca 278

<210> 47159
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038568H1

<400> 47159

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60
tcgttgggag cgaacaagtt ccccgagaga cagccaattg ggacggcggc gcagagccaa 120
gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
tacatcactg tcttaaccgt tatgggagtc gccgggg 277

<210> 47160
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038569H1

<400> 47160

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ctcacaaacc atgagcaciaa tccaccaaac acacactcgt cgcgaagggtg aagacaaaaga 120
 gttcagtttc tgggggtcat caaacatcat accttctgaa aatgattgtg atcaaccaca 180
 aggtaatgaa tcaagggtca aaaaggaagc atactttgga gaaacacacc aaagaaaaag 240
 ccttaaatat gagtattcac ggttttgttc aacagtttc 279

<210> 47161
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038570H1

<400> 47161

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 aatctttcga agttcgtttg cgtgtgttgt gtggtcagtc accgatggca gcaccacctg 120
 cgagggcacg tgccgattac gattacctca tcaagcttct tcttattggc gatagcgggtg 180
 tgggaaagag ttgtctgctt ttgcgatttt ctgatgggtc cttcacaacc agttttatca 240
 ccaccattgg cattgatttt aagataagaa ccattga 277

<210> 47162
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038571H1

<400> 47162

ctttggttga aagtagcaaa gatgtttcct ttcgggcaaa aggggtcaaaa gataaagggg 60
 actatggttg ttatgcagaa gaatgtgttg gatatcaaca gcatcaccag tgttggaggg 120
 atcgttgacc aaggcttagg cttcataggc agtgcagtcg atgcacttac ttttgagcc 180
 accaaaatct ccatccagtt gattagtgtc accaaggctg atggtgggaa aggaaaaatt 240
 ggaaagagta caaatttaag aggcaagata acatta 276

<210> 47163
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038572H1

<400> 47163

gtcatctcaa tgagtttgac agtggttact tctcttcttg agaagtatgg gattgaccc 60
 aaacaaatcg gtcgtctgga agttggaagc gagaccgtga tagacaaaag caaatccatc 120
 aagaccttcc tgatgcagat cttcgagaaa tatggaaata ctgacattga ggggtgtgat 180
 tcaactaatg catgctatgg aggaactgct gctctgttta attgtgtcaa ttgggtggag 240
 agcaattcat gggatggacg ctatggactt gttgtctg 278

<210> 47164

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701038573H1

<400> 47164

actcgagcga atcggctcag gccaaattgc cgaaactgga acacctccta gaataaacct 60
 catttttatt ttttacgttc aaggccaaga attcaatggc aggtattgca tctggaatca 120
 gcacccttgc cattggctca ggtgatgctc gacggcgtcc agcacaagcc caatccactc 180
 ccaacactaa cactaacaca aacactaaca gcaacacttc ttcttctacg ccatcatctg 240
 aagggttcac ttatttaaatt tctgccaagc aagatataa 279

<210> 47165

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701038545H1

<400> 47165

ataaaaccta aacaataatt aatagtagtt gatcggcttt aaatgctgta ttttcttctt 60
 tcctctttcc ctgtctccat tgtctgggtc tgttttagct ttgcagaggt tggccttggc 120
 aggcacacgc acatcccaca ttacatcaaa cacatttcat tttttttttt tctttctcct 180
 ttgtcatcct caaaatcccc gaccttaatt gtcctgaccc caacaaaaaa cagaacaagc 240
 aagccatgga ttctctccag atccatggct tgtcctcgta 280

<210> 47166
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038522H1

<400> 47166

ctaaatcgga gtttcagttt caccctctt ttctcatctc taacatcata gtcctcagag 60
 gctagtcttc ctattatcac aaacaatgtc tgacagtcaa gaatctgaca agaacattga 120
 gatatggaag atcaagaaat tgatcaaggc tctggaagct gctcgaggta atggtaccag 180
 catgatttct ctgataatgc ctccacgcga tcaaatttcc cgggtcacta agatgttggg 240
 agatgaattt ggaactgctt caaacatcaa aagtaggggtg aac 283

<210> 47167
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038523H1

<400> 47167

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 ctaagccgat tcgaaccgtg gcttctctcg cctcgcagaa cctctctcga agaaaatctt 120
 cttcttcgtc ttcgttttct caacaaactt ccgggtcgac ccggatcggt taccgcgaac 180
 ctcgatccc atcggaatcc aattttccga tctggcagca gaactgggtc atcgcatctg 240
 tcttctcat ggctctcgga ttcttcgccc tcgctctctt cc 282

<210> 47168
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038524H1

<400> 47168

ccgattgcta gaatggaatt tcgatgctca gtcattctt ttaccattct cttctctctt 60
 gctcttcgag gagagagcca tgtccatgca tcgctacctg aggaagatta ttgggaagct 120

gtttggccaa acactcccat tcccactgca ctgcgagagc ttctaaagcc tctccctcgc 180
 aggtgttgaa atcgatgaac tccctaagca aattgatgat acacagtacc caaaaacatt 240
 cttctataaa gaagaccttc atccaggcaa aacactgaaa gtaca 285

<210> 47169
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038525H1
 <400> 47169

tcggtctgag tagcaattaa gcttcctttt gctagtagct atctctagct tctagttcta 60
 gccccttctt ttgtgaactt tttttgttta tccagaagaa tatgacatcc tggttattgg 120
 gaaggtctag taggatctta attcatcaac aacaacagct tcacaaggga ccatttctta 180
 actataatag ctcttggtcc tcttttcgat caactgagcc atttaggtgc cgtgatgcat 240
 taccgggtaa gaactcgtca cctacccttt tccgcttttg gcg 283

<210> 47170
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038526H1
 <400> 47170

caagattacg gaatactttg aggcaattcc aggagtccca tcaattcaag agatgtacaa 60
 cccagcaaca tggatgctag aagtgagttc tgtagcagct gaagttcgtc ttggaatgga 120
 ctttgctgaa tactacaaga catcatcttt attccagcga aacaaagctc ttgtatagga 180
 gttaagcaca cccccgcctg gagctactga tttgtatttc cccaccaagt atttccctc 240
 cacattgggg caatttaaatt cctgtttttg g 271

<210> 47171
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038527H1

<400> 47171

ctgaataaag cagagaagaa taagaaaatg ggtgtgttca gtacagtgtc gctgtgcctt 60
atgtccctaa tgtggatggt ggatgctcga attccaggcg tatactctgg cggcgcttgg 120
caaaatgctc acgctacgtt ctacggagga tccgatgctt ccggcaccat ggggtggagca 180
tgtgggtacg ggaacctgta cagccaaggg tacggagtga aactgcagc gttgagcacg 240
gcactcttca acagcgggct gagctgcgga cgtgcttcg 279

<210> 47172

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701038528H1

<400> 47172

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atctttcatt tcaacgttcc tcaatagcgc attctagtct tcacgagcaa taatttttcg 120
attgctttcc caacatgacc gcttctaata agaaaaaccc caaagagaaa ccaattcgcc 180
gcaaggcaga aaaaccggaa gaaccggaag tgccgaaata cagagatcga gctaaagagc 240
gtagagagga tcagaatcct gattatgaac aaactgagc 279

<210> 47173

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701038529H1

<400> 47173

ctctctgttc caaaacccta atccttcgtc ttccaaggag atggctgatt ctcccctcgc 60
aaggaactca aggtcacctt ccccatggaa agctcagtcg agatcgagat ctaggtcaag 120
gtcgagatct aggtcgaggt ctaggcctag acaaaggcca agatcgcgtt ctagaagtcg 180
tggcaggtca aggtcaccaa ttcgtggaag gtcaaggcca ccaattcatg gaaggctctga 240
acctacaaat cctgggtgaca cactttatgt aactgggtcta 280

<210> 47174
 <211> 281
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038530H1

 <400> 47174

 caagaatcag gggttatggtt gctggaggtg atggtacagt tggttggtta ttaggatgtc 60
 taacagaact tcgtgcacag ggtcgagagc cagttcctcc agtagggatc gtaccactgg 120
 ggacgggcaa tgacctgtct aggagttttc gttgggggtgg gtcatttccg tttgcatgga 180
 ggtctgcaat taagagaact ctacaaaggg ctagtaatgg gacagttaat cgtttggata 240
 gttggcgagt ttcactttca atgctcgaag gtacacctgt g 281

<210> 47175
 <211> 283
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038531H1

 <400> 47175

 tcaaaggagg aacacagcac tacacagctc cgaaatagga gggggagaaa ttttgtatgc 60
 gttggatttc gtagatctga ttcattgtca gcacatagat tgtggtggca gcacaatgga 120
 tcctggcagt ggaggaaaca gtcttggcaa caactctaa ctcgcttcaa aacaacgttt 180
 acggtggaca catgaattac atgagcgctt tgttgatgct gtggctcaac ttggtgggcc 240
 agatcgtgcc acacccaaag gtgtcctcag agttatgggt gta 283

<210> 47176
 <211> 285
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038532H1

 <400> 47176

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 ttggaacaaa caaacatacc agtcaaaaat caaaatctca gagttgtttg aacgagaaat 120
 tgaaatgtct cagaccaaga aattgacgcc gaatctggat cagcagagca cgaaggtgct 180

gaatctcacc gtgctccagc gaatcgatcc gtacatcgac gagattctct tcaactgccgc 240
 gcatgtctcc ttctacgact tcaacatcga aagcaaccag tggag 285

<210> 47177
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038533H1

<400> 47177

cgaggcgag agtagagcag cagagaagag agaaaacggc actgcagccg tagaaggaaa 60
 accgaccatg gtgcacgtct ccttttacag gaactatggt aagacgttta agacgccccg 120
 ccgtccgtac gagaaggagc gtctagacgc ggagctgaag ctggtggggg agtacgggct 180
 gcggtgcaag agggagctgt tgagggtgca gtacgcgctc agccgcatcc gctacaacgc 240
 gcggaatctc cttaccctcg acgataagaa cccgcgccgg atctt 285

<210> 47178
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038534H1

<400> 47178

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 aggacgtgag tattttaatt gaagaaaaac taaattatat ctgactatat atgatcttga 120
 agctttcatt tcagattact ttgtcaattc agtgctctta tcaatatagc agccacaact 180
 gctatattct tattagacct tcttatgttt cttctgaaat tcttttagcat tcgccaatgc 240
 ctgtcttggt tgtctgtttt taagtttaac aaatcacaca 280

<210> 47179
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038535H1

<400> 47179

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 aaattgtctt ctcttctatt tctccaatta caactcgttt ccctaactcg gccgagtcac 180
 catggcgaat cacccttccg aagctccac cgacgacttc ctggagcaaa tcttgggcct 240
 ctcgaccttc gcctccgccc accccgccc cgacgcctct 280

<210> 47180
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038537H1

<400> 47180

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 tgacacacac agcttagttt cgttgtattg tatgtgtcct ttctcaattc tcatcatata 180
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 ccacttgctt ttgtgttctg atacatgcat atatatacgt 280

<210> 47181
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038538H1

<400> 47181

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 aaaaccaaag tgcgagacac aatgatgaag ccatcgatgc tcagatctct tcaactctgcc 120
 gccaccgccc gcgcctccca cctctcccgc cgtggctacg cctccgagcc ggtgccggag 180
 cgcaaggtgg ccgttctagg tgccgcgggc gggatcgggc aaccctctc ccttctcatg 240
 aagctcaacc cctcgtttc cagcctctcc ctctacgata tcgccggaac tccc 294

<210> 47182
 <211> 276

<212> DNA
 <213> Glycine max

<223> Clone ID: 701038539H1

<400> 47182

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 ctagctgtgg gtgtggaagc agctgcaact gtggcagcaa ctgcggttgc aacaagtact 120
 cttttgactt gagttacgtt gagaagacaa ccacagagac tctagttttg ggtggtgggc 180
 ctgtgaaggc caatctggag ggtgctgaaa tgggtgttgc atctgagaac ggtggctgca 240
 actgtggatc aagctgcacc tgtgacccat gcaact 276

<210> 47183
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038540H1

<400> 47183

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 at 122

<210> 47184
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038541H1

<400> 47184

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 ctacatgcat agacatcctc cttgacatca tttctcctcc tcttggtgtt ctctctaaat 180
 attgctgcta ggtggagttc tggatttgtt tgggtgctgac cctttttggt tatataacctg 240
 gacatatcta tgctgtctat gctatcacca agtgatcacc ctt 283

<210> 47185
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038542H1

<400> 47185

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 ttggagcatg gtacgtgtgg tgttgttcat gcttcgaaaa ggcataacaa aggggaagct 180
 catgatggac ctcaacatga tgctgaaacg ccgcggcaag ctgccggca aagccattgc 240
 caacttaatg tcgtcccacc accaccacaa ccgcggtggg tcc 283

<210> 47186
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038543H1

<400> 47186

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 ttcgctctct gctctgtggt tttctcagtc tccattgttc ttcgagactc tccctcagat 180
 gccgccctgc acgaaccctc gtcactcgca gccctcttgc aaatcacaca aactctacga 240
 gatttggtca atgaaacctc tgattctggt gagctgca 278

<210> 47187
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038544H1

<400> 47187

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 atgtgagcaa ttcaagctcc actcaggcca ttgaagacat ttcaatttca tttgctggct 180

caaagctcta tgcattcaca cttgaggagc taagggaagc aacaaacagt ttctcatgga 240
 gtaacatgct aggtgaagga gggtttggac ctgtctaca 279

<210> 47188
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038521H1

<400> 47188

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 gagttctaata gagtaacgaa tacgattacc tgttcaagct tctcctaata ggagactctt 120
 ccgttggaata atcctgcttg cttctcagat tcgctgatga ctctatgtc gacagctaca 180
 taagtaccat tggagttgat ttcaaaatca gaacggtgga gctggaaggg aaaaccgtca 240
 agctgcagat ttgggataca gctggacatg agcgattcag 280

<210> 47189
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038486H1

<400> 47189

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 tctctgggaa ggactaccag gancctccac cagcaccact cattgatgct gaggagctca 120
 caaagtggtc cttttacagg gctcttattg ctgagttcat tgccactttg ctcttctctt 180
 acatacactg tgctcacagt tataggggtac aagcaccaga cggatcatgc tgatgcgtgt 240
 gg 242

<210> 47190
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038487H1

<400> 47190
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 gatgggtaag gcaaagggtc acatcagtat tgtggtcatt ggtcatgtcg actctgggaa 120
 atccactacc actggtcacc tgattttacaa gcttggaggc attgacaagc gtgttattga 180
 gaggtttgag aaggaagctg ctgagatgaa caagaggtct ttcaagtatg cctgg 235

<210> 47191
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038490H1

<400> 47191
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 ctaaaccctg gctttctccg ctttaatttc tcgttctctc gccatcaagt ccatatacat 120
 cgttccagca tggagaagat aaaaataaaa ctactcatga aggatgaaac atttctccaa 180
 cacccttttg ttcttgctgt tgttctggtt ttaggccttg ttatgatgga cccttttc 238

<210> 47192
 <211> 130
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038491H1

<400> 47192
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 tggaagctgg tgtttggtcc agcaggccag ggtgatgaga ctgaattcga ggtgttgaac 120
 ttcactggtg 130

<210> 47193
 <211> 121
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038492H1

<400> 47193

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acagtttctg atgatgatga aatagactac acaaccaaac cagagtttta tgaccagat 120
c 121

<210> 47194
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 701038493H1

<400> 47194

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cctcctccgg ccagcgggaag atgccgctga tgggcctcgg caccgcgccg gaagcaacca 120
gcgcggttac cacaaaagat gctgttcttg aggccatcaa gcagggctac aggcacttt 179

<210> 47195
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701038494H1

<400> 47195

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accagtttag ttattttatc aagatattct gtggttcaat cttggcattc atcttgttct 120
tgtcaccaa aatgatcatg gcattcagga atcaagtcac ttagaagaat tagaaactgt 180
ttgctgaatt caatctgcaa gcatatagat gaagcctatt gatagcaaca a 231

<210> 47196
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701038495H1

<400> 47196

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ccagtgccaa tcagttccac gggaagccaa gacctcaagt agatcctgct cgagacctct 120

ctattcaagt tttagagaag ttttctcttg tcacaagatt tgcccgtgaa acaacttcac 180
 aacttttttg agaaaaccag agtaatggat ttagtcccat tgacaggagg ac 232

<210> 47197
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038501H1

<400> 47197

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 ttgggggtgct tcatttttta cgcagacaac agaggatgtg gctagagctg ttgccactgc 120
 tatgaattct cagaggccat ctgtgtatat tcattgaaaa atgatcatgg tggcagccaa 180
 cttcaaaggc tgcagtatca agttacgaaa atgataaaag gattttctag ccctccagaa 240
 gttaaataata caaattacaa tccggaaatc ttgacaactc a 281

<210> 47198
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038503H1

<400> 47198

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 tgatctgagg taactcgccg tgaatctcat ccctttccct cgtctgcact tcttcatggg 120
 tggatttgcg cctctaacct ctctgtggctc tcagcagtac cgtgcattga cagttccaga 180
 gctgacacag caaatgtggg atgccaagaa tatgatgtgt gccgctgata ccaggcacgg 240
 gcgttacctc acggcatcag ccatgttccg tggcaagatg ag 282

<210> 47199
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038504H1

<400> 47199

0953113.032200

<213> Glycine max

<223> Clone ID: 701038507H1

<400> 47202

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gaaaccccgga attgataagg ggaattggaa agtactcgag gtcgcagatg taccacaaga 120
cgggcatttg ggctatcaag gccaaaaatg gtggcgtttt acctcgccac gaccctaaac 180
ccaaacctga aacacccgct gaaaaaccac ccaaatttta ccctgctgat gatatcaaga 240
agccccttgt caacaagcac aaacccaaac ccgctaagct cagg 284

<210> 47203

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701038508H1

<400> 47203

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aatgtctaca ttggccatgg ctccccatg ctacggttcg atgagcaaga ctttgtggcc 120
gagcttccctt ttaagtataa acccttcatt gaatcagtga acaaacgagg ccttaatata 180
tctgaagttg tgtgttctac tgccctcggtt gggtggtatg gggagataaa gagcaaaagg 240
aactgaagc ttcagtgtt tcacacacaa gggctctataa atttg 285

<210> 47204

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701038509H1

<400> 47204

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caagctgtcc aagaatacta ttaccatctt atgggttagga gggctgttgg atgtgctccc 120
acagccaatc tattagtaaa ggcttctcag acggcagcag gttcacgaga tcttgtgatg 180
tttcatgaca attctgtagt catggtaaca gagtcagatc tagaagggtta cgacccaagt 240

agtcaatcag ccatggcaag tgaaatatgg gcagatttaa gtg

283

<210> 47205
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038510H1

<400> 47205

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 gatggagcct gtgggtttgt ctgacctaata ttcgctctat tggaacactg caacgggttt 120
 ggggtgcttgg agtgatcaac ctaacaacat tggtccttca gtcacttctc tgatctagag 180
 aaaaagatga agcatcgttt tcaaaaagct acatatgaag aagaagaaag tctctctccc 240
 tcgtttaatt aagggtcatct tttggtcctt ttaggcttag gtttt 285

<210> 47206
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038512H1

<400> 47206

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 agtcttctta atcttacttt tattcttcac ttaaaatgga aacccttatt ggaaaaacat 120
 tcttcacact cttatttcca tcttcagttt tctcaatagt ctggtcaagt agtggaccag 180
 ctccatccag caacatagat tgggtggtgca actaaccaca caccctgtgc catgcaaaca 240
 ctacaccatt actcaaatga agagccatca tttccaaatc aa 282

<210> 47207
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038514H1

<400> 47207

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tgatctgagg caactggcgg tgaatctcat cctctccct cgtctgcaca tcttcatggt 120
 tggattcgcg cctctaacct ctggtggctc tcagtagcac cgtgcattga cagttccaga 180
 gctgacacag caaatgtcgg atgccaagat tatgatgtgt gccgctgac ccaggcacgg 240
 gcgttacttc acggcatcag 260

<210> 47208
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038515H1
 <400> 47208

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 tgccaaatct caggctgatt acgtattggg caagaatcct atgcatatga gttttctggt 120
 gggctatgga gataaatacc ctcaatttgt gcatcatagg ggtgcttcaa ttcctgctga 180
 tgcatcaact ggctgcaagg atggcttcca gtggcttgag tcatctgac ctaatcccaa 240
 tgtagctact ggagcacttg ttggtggacc cttcttaaag gag 283

<210> 47209
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038516H1
 <400> 47209

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 gaaaagggtc acatcagtat tgtgggtcatt ggccatgtcg actctgggaa atccactacc 120
 actggtcacc tgatttataa gcttggaggc attgacaagc gtgttattga gaggtttgac 180
 aaggaagctg ctgagatgaa caagaggtct ttcaagtatg cctgggtgct ggacaaactt 240
 aaggctgagc gtgaaagagg aatcaccatt gatattgctt tg 282

<210> 47210
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038518H1

<400> 47210

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tctcacctga aaatgtcttg ctgcggtggt aactgtgggt gcggaagctg cctgcaagtg 120
cggcaacggc tgcggaggct gcaagatgta cccagacttg agctacactg agtcaaccac 180
caccgagacc ttggtcatgg gagtggcacc tgtaaggct caatttgagg gtgctgaaat 240
gggtgtgccc gctgagaacg atggctgcaa atgtg 275

<210> 47211

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701038519H1

<400> 47211

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gacatggcaa ctactacact catgaagctt gctttcatgc ttctcatgaa ccttgttatc 120
tgcagcgcag aatcttccat cggcagaaaag tccaatccta acccagaaga gttcgtgaag 180
tcctcgtgca gggcaacacg gtaccctggt ctatgcgtca agtctctggt ggcctacgca 240
agcgtgattc gccgaagcga ccgacaacta gccacgacc 279

<210> 47212

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038520H1

<400> 47212

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cgttatgatt ccatttccca tgagcaatat ttgcatggg aaagtcaaag tatcaactac 120
ggataacggt aggtagatga tgctttgact ttcccatgca aaatattgct caccganatg 180
gaatcataac gtacagactt tttttatttt atccaaccct tcttggtgtag ttgcccctca 240
catagcaacg gtatatgttt aattgatcaa ta 272

<210> 47213
 <211> 210
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038483H1

<400> 47213

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 aacactcaaa tctcgtttcc acctaaacga cttcgttttg cgctcttttc ccttcttctg 120
 atttaggttt cagagggaaa aggagcagcg atggactcac gcacgtataa tcctcgcacc 180
 gtcgaagagg ttttttaggga tttcaagggc 210

<210> 47214
 <211> 149
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038434H1

<400> 47214

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 tcttctcact ttcacttctc ctaatgggtc tcttcacttc atctcaaacc accccagcac 120
 catcaccttc ctcaacccca acagacatc 149

<210> 47215
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038435H1

<400> 47215

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 caccactcac tcaactcact cactccctca caattcaciaa tcttcacggt gcaccattca 120
 catgaagctc ctctcgcgct ccgtgttt 148

<210> 47216
 <211> 193

0953117.0322000

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038436H1

<400> 47216

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ggctaagggt cncgggtctct actctgacat cggcaagaca gccagggatc tgctgttcaa 120
ggactaccac agtgaccaga agttcaccat caccacctac tcacccactg gagttgctat 180
aacagcatca gga 193

<210> 47217
<211> 203
<212> DNA
<213> Glycine max

<223> Clone ID: 701038437H1

<400> 47217

gaattattta atgcgcgaaa atgggcagtg aggagaatag tgtgtgatcc acttctttca 60
tcgcttcgga tcttcaatct catctccgat ctcaaaatgc ccgctgttta tggagctccg 120
cttgaccacc ttogaagact ccgagaagga gagtgaatac ggttacgttc gcaaggtttc 180
aggacccgtc gtcggttgagg atg 203

<210> 47218
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701038438H1

<400> 47218

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ctctctgctt tcctggctct ttcagaagat gttgaacaag ttgtggacat aagtggcaac 120
cccattttcc caggtggcac atattacatt atgccatcaa cttggggcgc tgccggtggt 180
ggattgaaac taggccggac aggaaactca aactgcccag ttactgtttt gcaagattac 240
tcagaaatct 250

<210> 47219
 <211> 198
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038439H1

<400> 47219

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 tgccggaatt gcagctgcct ttgggggagg tttgcctcct ggcataactg gaacaaatga 180
 aagggtgtaca cttcttgt 198

<210> 47220
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038441H1

<400> 47220

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 cctcttagga agtatgttag gtactacagg gcattcgtgc tggagctcaa caaagccctc 120
 gctgtggacc ccaggatcga gatttgcatt ctcccgttg gtgatggaat cactatctgc 180
 cgctggatca agtgatttct gatcatcata atcgtggacc accgttgctt cttctgcaca 240
 cccta 245

<210> 47221
 <211> 112
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038442H1

<400> 47221

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 ttcgtctctc agcaattcct tccgccacct tgtccctcc gatcgccgtc tc 112

<210> 47222

<211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038445H1

<400> 47222

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 gtgattacaa tgaaaacatg aatggatctc ttcttgccgt gccttacaac aacaataaca 120
 ttttgggtgt tgggtggagtt ggtctcaatg gaggcttcaa caaaggaatt tactccaagc 180
 ctgggttttgc caatcttaac aacaatatta acctgaatat caatcctaag ggacacaa 238

<210> 47223
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038446H1

<400> 47223

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 cagaagcaaa tccgaaaacc cctcatataa tagtactggt attcagctgt tcatgacaaa 120
 agcctgaacc gatcatgtca gaagggtgcag aaattgatga gcgtgtggac cttgacgagg 180
 aaaattatat ggaagagatg gatgatgatg ttgaagaaca aatagatgat gatggagt 238

<210> 47224
 <211> 184
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038447H1

<400> 47224

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 atggcgtctg gatcctcggg tcgcggaac tctgcctcga aaggcttcga tttcgcttcc 120
 gatgacatcc tctgctccta cgacgactac gccaacgcg attccagttc caacggcaat 180
 caca 184

<210> 47225

<211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038448H1

<400> 47225

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 aaacccgaat ccggacccgg ttgtgatccg ccagggttgg gcttcaaate tcgaatccga 120
 attccaactc atccgcgaac tcacgacca ctatcctttt atctcgatgg acacagaatt 180
 ccccggtggt gttttccgac cacacctgga cccacaaaa ccctacaa 228

<210> 47226
 <211> 190
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038450H1

<400> 47226

ctcgaagaag ccctaactac gcacgcactc attcttgaga aagctcaata ttcattcgtc 60
 catggcactc tcttctcgtc tcttttccaa atccacattg atctatgggt gtcaaatact 120
 tctgcaaaag gagcatgcta ttccagttcg tcactttgct aaagagtctg cccctcctgc 180
 ccttaaggga 190

<210> 47227
 <211> 128
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038451H1

<400> 47227

ggataacgaa tatgctcttt atactgtaac actcttcagt cgtggtgcgg ataattttag 60
 aactagtga cgtgaaaaag ggttccaaat tcgtgacttt gaatacagtc cagaaacaca 120
 tgagaacc 128

<210> 47228
 <211> 244
 <212> DNA

<210> 47231
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038458H1

 <400> 47231

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 tattcattgt ggaataaatt tccgttccat ttggagcaga gttaagcata taatttggtta 120
 tacaagttct ttgaataaga gtctgagtgt atcacctcta agctacgata ttcattgactc 180
 atatgagggtt gcttctatattt atttggtggc catttttcaa gtgttggttct tactaagtt 239

<210> 47232
 <211> 135
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038459H1

 <400> 47232

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 gcaactctaa cagatatacc actcctattg gcaatagcgg gggcaatggg agaagcgatt 120
 ctcttatgaa ctcag 135

<210> 47233
 <211> 124
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038461H1

 <400> 47233

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 ttggcaatta aaatgggccca aggaactttc ccaatcaa atctgatcagt ggacgaaggg 120
 gaac 124

<210> 47234
 <211> 204
 <212> DNA

0953113.032200

<213> Glycine max
 <223> Clone ID: 701038463H1
 <400> 47234
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 gcataaatca tcgtttccat tgaagtttct gttccgatgg agttaatttc gggattgccca 180
 gaggatgttg cccgagactg tttta 204

<210> 47235
 <211> 83
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038464H1
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 gagattctcg catgaacatg cag 83

<210> 47236
 <211> 186
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038466H1
 <400> 47236
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 aggtgggggc ttactgggtc tccaagaagg ccagcaagga atttaactct gtcggcgatg 120
 atatcaactc actgtcaacc agtattgaag ggggaaccaa atgggttggtc aacaagttaa 180
 aaggaa 186

<210> 47237
 <211> 189
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038467H1

<400> 47237

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 gggtttctct caaatcccct gatggaagct ctttcaacta tgccatcaca ggataaatca 180
 tatgctgct 189

<210> 47238

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 701038470H1

<400> 47238

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 gctgaagcat ctcgata 78

<210> 47239

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 701038432H1

<400> 47239

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 agagcttaag gcactaactt ctttagaaac tgaatagcca atttcagtga tctccaatta 120
 tgtaaaatgt ggat 134

<210> 47240

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 701038471H1

<400> 47240

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 cgttctccgc ggaaccatgc gcgccacac cgacgtcgtg acggcgattg cactcccat 120

cgacaactcc gacatgatcg tgacggcgtc gcgcgacaaa tccatcattc tctggcacct 180
 caccaaggag gacaagacct acggtgtccc ccgcgcgcgc ctcaccggac attctcactt 240
 cgtc 244

<210> 47241
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038472H1

<400> 47241

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 agcgagagtc gcgg 134

<210> 47242
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038473H1

<400> 47242

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 tcattctgtt gcagaacagg cagggcaaga cccgtcttgc caaatactac gttcctctcg 120
 aggattccga gaagcacaag gtggaatacg aggttcaccg cctcgtcgta aacagagacc 180
 ctaaatacac aaatttcgtc gagtttcgta cgcacaagat aatatacagg cgatatg 237

<210> 47243
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038474H1

<400> 47243

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 ttcggatctt caatctcatc tccgatctca aaatgcccgc tgtttatgga gtcgcttga 120

ccaccttcga agactccgag aaggagagtg aatacgggta cgttcgcaag gtttcaggac 180
 ccgtcgtcgt tgcggatggc atggctgggtg ctgctatgta tgaactcgtg cgtggt 236

<210> 47244
 <211> 61
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038476H1

<400> 47244

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<210> 47245
 <211> 190
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038477H1

<400> 47245

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 gaacgattat ttggtttaat tgttctgctg gagctttctt aagacgggtt ggcgttttaa 120
 cgccaaagcc aaaacaggag aaagaacatc atctcttcgc taacttgaac tagcatggat 180
 gtttgctact 190

<210> 47246
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038481H1

<400> 47246

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 gggtcagaga caaagcaagt gatgggtgatt ggaatcgacg acagtgcttt cagcacgtac 120
 gctctccaat ggactctgga tcaattgcta tcccctgcaa atgttcctaa gttcaagatt 180
 ttt 183

<210> 47247
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038482H1

<400> 47247

cgacagtgaa agagcttctt cctctaattc gagtgtacaa ggatggcagc gtggagcgtc 60
 ttctaagctc tgaaaacgtg gcagcctccc ctgaagatcc ccaaactgga gtctcatcca 120
 aagacatagt catcgcagac aaccctacg tctccgctc 159

<210> 47248
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038383H1

<400> 47248

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 gcggctcggg aagtccggcg agaagggcat cgcgtggtgg ttttcgagaa aacggcacca 120
 gtgggtggca tgttgg 136

<210> 47249
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038385H1

<400> 47249

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 agatgcagat attcgtaaaa actttgaccg gcaagaccat cacccttgag gtggaatcct 120
 ccgacaccat tgac 134

<210> 47250
 <211> 100
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038386H1

<400> 47250

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cagttaattc caaaatgtgg acaatcatcc acaagggttaa 100

<210> 47251

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 701038387H1

<400> 47251

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tatcttatct tcggaagcca ttcctctgga tttagaagta gcagatgggt accgatgaag 120

gtttgggttc tc 132

<210> 47252

<211> 102

<212> DNA

<213> Glycine max

<223> Clone ID: 701038389H1

<400> 47252

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aaggacttct ctttgaaggc tgtgatctta tggagcctga ca 102

<210> 47253

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: 701038391H1

<400> 47253

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ggccagcgga agatgccgct gatgggcctc ggcaccgcgc cggaagcaac cagcgcggtt 120

accacaaaag a 131

<210> 47254
 <211> 127
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038393H1

<400> 47254

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 tgagctgcaa gacactggag agcgtgggtc aaagagatta aggagtagtg accaggaagc 120
 tctgaag 127

<210> 47255
 <211> 104
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038395H1

<400> 47255

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<210> 47256
 <211> 227
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 <213> Glycine max

<223> Clone ID: 701038401H1

<400> 47256

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 ggctctgttt ctgcacttgc gtccacacacc cactgcaaac ccaaagcac ttcgccatct 120
 cccaaaccca ccaagcccaa agcctcgtct tcccttcata ggacaccttc atctcttaaa 180
 agacaaactt ctccactacg cactcatcgc cctctccaaa aaacatg 227

<210> 47257
 <211> 160
 <212> DNA
 <213> Glycine max

0053113.032200

<223> Clone ID: 701038403H1

<400> 47257

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cctcttcgct ttcacaacgt taatagttgt cttcagcttc aacacttcac cagtctcagc 120
tcgtttattc cccaacgtgt cttccatccc aacctggaat 160

<210> 47258

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701038404H1

<400> 47258

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ctgagaaagt cttgcagaac tataatggca cgatgatgcc caatacagat caggcattcc 120
gtctgaattg ggccacatta cgctgcgggg gaaaggcggt cttccgatgc tacttctgat 180
ctctctatat ttgtggggga cttggccatt gatgttactg atgctatgct gcaagacact 240
tttgctggcc gatattcg 258

<210> 47259

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701038405H1

<400> 47259

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atgggtggtg ggtgcaagtg cttggtatcg ttggtgttg ctttgggtgt gatgaggagt 120
ttggcggacg cgcaatcggg caccagcacc acttgcgccc aggagctaata tccatgtgtg 180
aactttctga atgggacaac caccacacca agctcttgct gtgacctct caaacaacc 240
gtggaaaacc aactgg 256

<210> 47260

<211> 254

<212> DNA

0953113-032200

<213> Glycine max

<223> Clone ID: 701038406H1

<400> 47260

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attaagattt cgttttgtgt gatgtgtgtg ttgggggttg tgatcgtggg tgatgttgcc 120
tacgctcaag attcagcaga agactacgtg aatgcacaca atgcagcacg agcagaggtg 180
ggttctcaat caccaagaca aacagtgatt gttccaagtt tggcttggga tgatacggtt 240
gctgcttatg caga 254

<210> 47261

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701038407H1

<400> 47261

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aagcatcatg tcttccggcg gcggcgagg cgagcaaaag ccgttcttct gccacgtgtg 120
cagtcagagg atcacgtgct ccgatgagtc ggaacccttc tgcccgatct gtatggaaag 180
tttcgtagaa gaatgcaacc ctaacaacc taaccctaata cttttcccg agaatgagga 240
atcttctgat tccga 255

<210> 47262

<211> 148

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038409H1

<400> 47262

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gctgctgagg tcaagccnat cacactgggc gccactttt ccatgggaaa ctgcttctcc 120
gaagtcgccg caggcgccg gccatcgg 148

<210> 47263
 <211> 179
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038412H1

 <400> 47263

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 aatataggat aggtttcaaa ataagagggt tttgtggcat ccttggtggt gcattgagct 120
 ttgatctaata tgttcttgaa caatgttcat ttccaaatga gtttactttg ttggttaaa 179

<210> 47264
 <211> 186
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038413H1

 <400> 47264

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 gattgtcggt ttggttcaag aaaaccgttc ctttgaccac atgttgggat ggatgaagtc 120
 cctcaaccgg gaaattgacg gggtcaccgg tttggagtca aaccagggtt ccacattagc 180
 tccaaa 186

<210> 47265
 <211> 231
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038416H1

 <400> 47265

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 tagcaattca acaacgtatt cgaccaacga ggcttcttac gctccagtcc cacctcccca 120
 gcccaaacct cttgtcgatt ggtccaccgg cctctgtgac tgcttctccg aatgtggaaa 180
 ctgttgcatg acgtgttggg gtccatgtgt tacctttggc cgagttgcag a 231

<210> 47266
 <211> 191

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701038418H1

 <400> 47266

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 taattttcat gtctgcaatt gcaagtgcaa gtgccgtcga accgtgccac tagaccaaaa 120
 agtgtttttg ttgttgccac catgtgtgtg caagatgggtg aacaagctgg tgaagatcat 180
 atagagaaga c 191

<210> 47267
 <211> 224
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038420H1

 <400> 47267

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 tcctctgccc aacagaggat gccagtgggt ggaatgggat ctgcccctga cttcacatgc 120
 aagacagaca caaaggaggc tatcattgag gccgtgaaac agggttacag acacttcgac 180
 actgctgctg cttaacgctc tgaacaggct ctcggtgaag ctct 224

<210> 47268
 <211> 194
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038421H1

 <400> 47268

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 attgacggaa aggataatgg acctgaactt ggtatttggg aattggatct aagatctcag 120
 ttccctgttc tatttgaacc ctacaaagaa gtgcggggaca agattcccca ttctgaagtt 180
 attgaaaagt gcac 194

<210> 47269
 <211> 258

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701038422H1
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 tttcatctcc aaagggatcc acaggccgaa ggagaaatgg ggctgacatt cacaaagctt 120
 ttcagtcggc ttttcgcgaa gaaggaaatg cgaattctga tggttggtct tgatgctgct 180
 ggtaagacca ctatcctgta caagctcaag ctcgagaga tcgttaccac aattcctacc 240
 atcgggttca atgttgag 258

<210> 47270
 <211> 130
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038382H1
 <400> 47270
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 agctctcggt tttcgcgtaa actagtcggt catcccaaaa tggtttgctt ggcttggttg 120
 ctgccccctt 130

<210> 47271
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038423H1
 <400> 47271
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 ttttccttag atctcatcta atccaccacc cctcgctctc gccttttggtt ttgtttttca 120
 ctttttcaga acaaggtacc tttattatct ttggaagcac ttcaccatct tcacatcttc 180
 atttttgtcc tcgctgtcgt acacgtctcc ttttccttac tcaccgttgt cttcggaggc 240
 gccagaatac gtcac 255

<210> 47272
 <211> 185
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038424H1

 <400> 47272

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 tcttccttac ctttgaccag acacagagca gcactcacat tcacaacgaa ggtttcctat 120
 tcatcagaca tgggtgaaggc aatcagagtt cacgaactcg gtggccctca agttctgaag 180
 tggga 185

<210> 47273
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038425H1

 <400> 47273

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 tgagatatgt actccattca ccttatatat aacacgatgc ctgtatgatt tattcttggg 120
 tggatatatt tcaccatcta tgactctgtt gatgccctac tactactggg aggaaccacg 180
 agtga 185

<210> 47274
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038426H1

 <400> 47274

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 cgcagaacct ccggcagaaa ttgccaccgc aaacacgtgg aagacgggta gtagtactcc 120
 atacccatt ctctcatatt ccctttacta attaaagatc atgaacagcg agagacagtc 180
 gacgacgacg acgttgctgc acggcaagta cgagctaggt cgtgtgctgg gggcaggaag 240
 cttcgccaa 249

<210> 47275
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038428H1

<400> 47275

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 gccaccgggt gacttggaaac ttgcggtctc gcattcgga tcccaggacg tcgatttgag 120
 gaaattcgac atccgttcgg ctctcaacga ggtgtttgga caattagggt ttggggcggt 180
 tgacggagga gg 192

<210> 47276
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038429H1

<400> 47276

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 gaaggctggt gtaactggat tttgtatggg aggtgctctc tctattgccca gttctgtctt 120
 ggttcaagag gttgacgctt ctgtagcatt ctatggagtt cctgcttctc aacttgctga 180
 ccctgcacaa gccaatgctc ctgatgatgc tcatttttga gagctggaca cttttgttgg 240
 cttttcag 248

<210> 47277
 <211> 142
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038431H1

<400> 47277

aacagcagac aagaaaaatg gagattgagg acacatcaag tagagtatct attgcatttc 60
 ctcttggtt agctcttctt gttgcctgtg tgcgagttct catgttgctt ctattgttgc 120
 tgcatgcact gggaaaaact cc 142

<210> 47278
 <211> 151
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038317H1

 <400> 47278

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 cataaaagct cgggtctatt atgaatatgg aaacatagaa gagcttctca aatttgaatc 120
 taacataccc ataaccagaca tcaaggaaga c 151

<210> 47279
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038318H1

 <400> 47279

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 aacaagacta tcaaccacg accatgcatt gcccaattaa acaacaacaa caacaacaag 120
 aggagtactc ctttcagcaa tttaattgtc aatcacca 158

<210> 47280
 <211> 144
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038319H1

 <400> 47280

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 cttattgcc a ctgggggaac gtttaggtgca gcaattaagc ttctagaacg tgttgggggtg 120
 catgttgtgg agtgtgcttg tgtg 144

<210> 47281
 <211> 143
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038321H1

<400> 47281

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taaccaagcc gtgcaaggggt atcctattat ttgggtcccc tggaacaggt aagacaatgc 120
ttgcaaaggc agttgctacc gaa 143

<210> 47282

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 701038322H1

<400> 47282

ctacacttgt tcctcaccag gagactcttg agtcaaaggt tactgagtct aaggccatgg 60
ttaaatttca acttaagaca gtgctctgca tgggagtagc tgtgggcaat gttagtatgg 120
aggaaaagc 129

<210> 47283

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 701038326H1

<400> 47283

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tgaagaacac cctgtacttc ttaccgaggc acccctcaat cccaaggcca acagagagaa 120
gatgaccagc attatgtctg 140

<210> 47284

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: 701038328H1

<400> 47284

gaaattacca gttactatac tctctctttc tgaacaatt tgcccaattg tttgagatgt 60

tcaatatgag atctgtatct caagattggg tggtttcatg tgcactaata cttctggtgt 120
catgcacaac atactcat 138

<210> 47285
<211> 140
<212> DNA
<213> Glycine max

<223> Clone ID: 701038330H1

<400> 47285

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tttggagcag ttgcctgggg tgatatcatc tcttgacgca cacatggaaa atgggttgca 120
aatgttcca catctagaga 140

<210> 47286
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: 701038332H1

<400> 47286

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agcttttggg gtggcatcta tgcccgtgat caaagtacta atactcactg cagttggcat 120
gcttcttgca ctggataac 139

<210> 47287
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: 701038333H1

<400> 47287

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gttcttcccc ttccaatct tcaactttag ggttccttta atctcgttat tcctcttcac 120
tcccaagctc cgttcactcc aacaacact 149

<210> 47288
 <211> 147
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038334H1

 <400> 47288

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 tccgatgacg accgctgcaa gaccacatg ggcacctgct aaaggtggca acgaacaagg 120
 tgggtactcga attttcgggtc cctcaca 147

<210> 47289
 <211> 141
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038336H1

 <400> 47289

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 attgggttcga gagattgaag cctttcgcag ctgtgggtatc aatacagttt ggatatgcag 120
 ctatggatgt tctatccaag g 141

<210> 47290
 <211> 136
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038339H1

 <400> 47290

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 tccccagtttc aaagcctaatt tccctcattc ccatggcctc agaagagccc agtgtcgcgg 120
 tgggaccccg tccccga 136

<210> 47291
 <211> 131
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038342H1

<400> 47291

cagaaaactca aaagcatggg gtcttctagt tattttcttca cttccttgct tctgggttgta 60
gtgttcaatc tggctaaagg gcagcctctg gtccctgcat tgttcatatt tggggactct 120
gctggtgatg t 131

<210> 47292

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701038343H1

<400> 47292

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cttgatttgg cttctcaaat ccatgtttcc tctgggaaac tagtccctgg actatcatgg 120
aattactatt tgttg 135

<210> 47293

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: 701038344H1

<400> 47293

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agcagagaca ttgcctagag gtctccactg tcttccgttg cgccttataa ctgagtatta 120
tagcttgagt acttctcag 139

<210> 47294

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 701038345H1

<400> 47294

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tagaaatgga acacaagaca agtctccaag catcctaaag tatgatggag tggatttttg 120

0953113-032200

ttgaaggata tgattagaga

140

<210> 47295

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 701038347H1

<400> 47295

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cttgtattgg cttctcaa at ccatgtttcc tctgggaaac tagtccctgg actatcatgg 120

aattactatt tgttgacatg tc 142

<210> 47296

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 701038348H1

<400> 47296

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cgtgttgag atcgtgatga ccttcgggtt ggtgtacaca gtctacgcca ctgccgttga 120

ctccaagaac ggcaatttgg g 141

<210> 47297

<211> 144

<212> DNA

<213> Glycine max

<223> Clone ID: 701038349H1

<400> 47297

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caagacgtgg aatgcctcgt taacacggta gagcgacaat cggaaccatc atcatcgtca 120

tcatcatcat catcatcgtc atcg 144

<210> 47298

<211> 142

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701038350H1
 <400> 47298
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 caggaatagc ttagtgatg tactgctgtt gtttgcattc tgtgaaatgc aaatcattga 120
 cggaaaagac actctaacct gc 142

<210> 47299
 <211> 141
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038351H1
 <400> 47299
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 ggccagcgga agatgccgct gatgggcctc ggcaccgcgc cggaagcaac cagcgcggtt 120
 accacaaaag atgctgttct t 141

<210> 47300
 <211> 117
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038353H1
 <400> 47300
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 caactgctgg gaacatcacc actgaaatcg gggatcatgc aaccgctaca aagtgg 117

<210> 47301
 <211> 134
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038354H1
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tcagttcctt cgatggaatt cgtggcttct tcttcttctt tctcacagtc ggaatcttca 120

tcattccttct caaa 134

<210> 47302

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701038315H1

<400> 47302

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tcttcactct tggctctgcg agagaaagcc atgccagaga cgaagatttt tggcatgctg 120

tttggcaaac actcccatc caagtcc 147

<210> 47303

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 701038355H1

<400> 47303

ctctaattac actttctatc tcattttcgt tcggttcaaa cactctcatg gcattcagaca 60

agaagattag gatcggcatc aacggatttg gaaggattg 99

<210> 47304

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701038357H1

<400> 47304

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tcttcctttt cagatctccg ctgaggaatc ctcgagaag gagttcgtac tcacattgga 120

tcactctaac tttca 135

<210> 47305

<211> 136

<212> DNA
 <213> Glycine max

<223> Clone ID: 701038359H1

<400> 47305

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 ggataattcc agaacctgaa gtcaatattg tgcgtcgaga aaaaaatgat cagtgtctta 120
 ttctagcaag tgatgg 136

<210> 47306
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038360H1

<400> 47306

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 tttcgatggg gaatgatgca gggtcaccgc cagggtccggg tacgtgtggg tcgtggattc 120
 ggaggcccga gaattt 136

<210> 47307
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038361H1

<400> 47307

cgtttatgga ggatcaaagc ggagaagctg aaggacaaga acaacaaata caaccttcac 60
 tctttcatca tttcattatt taataacaat tattattctc aatgggcaag actcctttct 120
 cctttcgtcg ctccgcct 138

<210> 47308
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038362H1

<400> 47308

gcaggctttc ttgctactta ttattagcag aaagatggct cctactcttg cccttcagtt 60
 tctttctctt ttccttttgt ccattatgaa tggctaattgt catcgagct agagatatga 120
 aggtagacct gcga 134

<210> 47309
 <211> 139
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038366H1
 <400> 47309

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 gcggcggcag ccgcaggggc agcgcaccga agaagagaac gttcaagaaa ttcagcttca 120
 ggggcgtgga tctggacgc 139

<210> 47310
 <211> 138
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038367H1
 <400> 47310

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 tgtagtaaaa gggctctgcat ctagtactcc caataaaaga caaaaaagag aagcaaattc 120
 cttcttcctt aatttact 138

<210> 47311
 <211> 130
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038368H1
 <400> 47311

taagcgatca acagacagaa gattttgctt catcatctca acccttcac atccaccac 60
 cccaacgaat catcctccct ccattgcttca gcatgtgtgg cgggggatag cgctgcttat 120
 caaaggacat 130

<210> 47312
 <211> 135
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038370H1

 <400> 47312

 cgaatatgag cagcagtgca gggaagttgg tgtgtgtcac cgggtgctgcc ggttatattg 60
 cttcatggat tgtcaagttc ctacttgaac gtggttacac tgtcagggcc actgttcgaa 120
 acccaaatga tcaca 135

<210> 47313
 <211> 136
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 701038371H1

 <400> 47313

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 cgccgtgttt ggagatccaa agggcatccc catccagcaa accatttaca gggacactcc 120
 tgctcctttc aactgc 136

<210> 47314
 <211> 136
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038372H1

 <400> 47314

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 tagagagcga gttggtgttt ctgtttccgc ttccaaatcg gaggatcgga agcgaatcaa 120
 cgacgttctc gataag 136

<210> 47315
 <211> 135
 <212> DNA

<213> Glycine max
 <223> Clone ID: 701038374H1
 <400> 47315
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 tcccgtagact tctcttaatt taactcaatt cttggacctt tattttcatt tcagctcttt 120
 catcgtttagc gtttag 135

<210> 47316
 <211> 112
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038376H1
 <400> 47316
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 aagattgcac tgggggtctc cactggctta ctatgcgagt tacacgtgag ta 112

<210> 47317
 <211> 133
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038377H1
 <400> 47317
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 cccgagagac agccaattgg gacggcggcg cagagccaag acgacggcaa ggactaccag 120
 gagccggcgc cgg 133

<210> 47318
 <211> 131
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038378H1
 <400> 47318
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gtaagacttc aaaacggctct gaaagaaggc atgtgtcatc atatggacct gctggctcct 120
catcttcacg g 131

<210> 47319
<211> 137
<212> DNA
<213> Glycine max

<223> Clone ID: 701038379H1

<400> 47319

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tttttcttgt gcgtgtccag ttatttgtac gtgatagaat tagagagaaa gagacaaatt 120
gagttttgtg tttgatc 137

<210> 47320
<211> 169
<212> DNA
<213> Glycine max

<223> Clone ID: 701038276H1

<400> 47320

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agtgc aaagg aagagacagt tgacatcttg gagaagcatt ctttcgttga ggcagagacc 120
acgtaatata agttgtgatt catttgcagt gtcacgttct agtctatgc 169

<210> 47321
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038277H1

<400> 47321

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gtccacagga ggaaaggctc ctaggaagca gcttgcaacc aaggctgcac gtaagtctgc 120
accaactact ggtggtgtga agaagcccca ccgtctcatc gtcctggtac cgttgctctt 180
cgtgaaatta ggaaatacca gaagagtacc gagcttttga tccggaagct ccccttccag 240

aggctggttc gtgaaattgc tcaggacttc aagact

276

<210> 47322
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038278H1

<400> 47322

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tatcctgccg ccatccacca cttctccgat gccatcgccc tggctccctc caaccatgtc 120
ctctattcca accgatccgc cgcatacgcc tccctcaaaa actacgcaga tgcattagcg 180
gatgccaaaa agacagttga actcaagccc gactggtcca agggttacag ccgtctcggg 240
gccgcgcatac ttggcctttc ccaatacgat gatgct 276

<210> 47323
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038279H1

<400> 47323

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catttaacaa tattttccaa agtccaaagt caaacacatt caatgattca aatagcatcg 120
tgtgttcact ctgttttagta gcatccaaaa tggcgcattc ttctgtaata gtcttcctct 180
gaactctcct tctcttcttt cctccgtcaa ttcgtgcctc caacgatgac gtggcgctgc 240
acgcgaagaa gctcatcaga gacctaact tgttc 275

<210> 47324
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038280H1

<400> 47324

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ttcctttcac acttgcggttc ttgcctttctt tctccttttc acggggtttc tcttcttttc 120
 ctctgggttc atcatcatct ctctatctgc accccttttg agaacttcaa cttgttactt 180
 aattactcta ctctccctt tctagcttct gtgttcttct tcttcgggttc tctcttcatg 240
 ggggtgctgct taagtgccag gatcaaagct gagagccct 279

<210> 47325
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038281H1

<400> 47325

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 tggctctcca acgaacgtgc gccatgttgc gcatgtcacc tttgataggt tcaatggttt 120
 cttgggcttg cctgttgagt ttgaacctga ggtccccaga aggcctccta gtgctagtgc 180
 atctgttttt ggagtttcaa cagaatccat gcagttgtcg tatgactcaa gagggaacag 240
 tgtgccaaca atactgctgt cgatgcaaag gcatctgtat g 281

<210> 47326
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038282H1

<400> 47326

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 gaaaccattt cattttcgag cgcgtcgctt tcgaatcaa tggccttcaa caacgcactg 120
 agatctgccg cgaagtcgtc gcttcttccg aatcttcctt ctctaactca gtgagcagag 180
 gttttcattc aactggcatg aagaggatgg gaggtggaca tggcatgat gagccctact 240
 atcttcatgc aaagcacatg tacaacttgg acaagatgaa g 281

<210> 47327
 <211> 283
 <212> DNA
 <213> Glycine max

09531113-032200

<223> Clone ID: 701038283H1

<400> 47327

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tcgatgtcat ccacttgcta gacatgggtgt gtgagaaata tggagggcga gtggatatgg 120
cgaaagcata ttacaaagct ctcaactgctt ccgtgagaaa acattttaag ggcaacggcg 180
tcattgccag catggagcat tgcaacgatt tcatgttgct gggaactgaa gcaatatccc 240
ttggtcgtgt tggggatgat ttctgggtgca ctgaccctta tgg 283

<210> 47328

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701038284H1

<400> 47328

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gttgatgggtg cttatcatgc ccgacaatca ggacaaacat ctgcaacacc tatttcaagc 120
aaggaaaata atgtgaataa agctaataat gaatggaaat caccacagaa atcagagcct 180
gtaaatgatg agtttggaca gagggcaaat aagccccgca gatactcgga gatgaatttt 240
gggcaatgaa gtattataga atgcaacttg tttgaataaa aa 282

<210> 47329

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701038285H1

<400> 47329

gcaaaaagaa agaatcccag gcgaggagaa agatggaggg gaaggagcag gatgtgtcgt 60
tgggagcgaa caagttcccc gagagacagc caattgggac ggcggcgag agccaagacg 120
acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt 180
catggtcgtt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240
tcactgtctt aaccgttatg ggagtcgccg gggctaagtc taa 283

<210> 47330
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038286H1

<400> 47330

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 acaacaacgt gagttaaaca aaaaacagta actccacgca gccatgacag acaggggtgta 120
 cccatccgcc aagcccgcgc tggttaacgg cggcgccgcc aacccatctt tcccggcgac 180
 gaaggctcaa ctttacggcg ccaccgccc cacctaccgc cctcaacccc accaccggcg 240
 ccggagccgg cgacggtgct gctgcacctt cttcttctgg ct 282

<210> 47331
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038287H1

<400> 47331

cgaaggaaga tgagtttgag ggcacagag atagcgaaga agttgaatct gcaacctcac 60
 ccagaagggtg gggtttacgt ggagacattc cgagaccatt ccgtccagct ttcgacctct 120
 cagctccccc ccgaatacaa agtggatcgc cctgtatcga cctccatcta ttttctcggt 180
 ccttctggga gtgtgtctcg cctccatcgc ataccctgcg ccgaaacctg gcatcattac 240
 atcggcgacc ctctaccgt agtgggaattg aatgagaaag at 282

<210> 47332
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038290H1

<400> 47332

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 caggagagag ccatgtccat gcatcgctac ctgaggaaga ttattgggaa gctgtttggc 120

caaacactcc cattcccact gcactgcgag agcttctaaa gcctctccct acagggtgtg 180
 aaatcgatga actccctaag caaattgatg atacaagta cccaaaaaca ttcttctata 240
 aagaagacct tcattccaggc aaaacaatg 269

<210> 47333
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038291H1

<400> 47333

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 tatgctaccg ttgacccgc ccttggtgat tttggtggca ccgatgaagc aacaacgtgt 180
 gttggccttg ttattcggaa ccaaaagaat ggaatgacgt cagttgcca tatggattca 240
 ccaaaaattg tagaatggg cctctcccaa atgt 274

<210> 47334
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038292H1

<400> 47334

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 cccttgtttg tctgtctctt tgtttctttg gcttgacaag aagaagatga tgatgatgac 120
 aatggagggg atgatggaca agggggtgtt ggatgatgtg ataagaaggc ttctggaagg 180
 gaaaggaggg aaacaggtgc agctctctga gtccgagatc cgtcaactct gcgtcaacgc 240
 cagacaaatc ttctctctc agccaattct t 271

<210> 47335
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038293H1

<400> 47335

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catgtatttt tcttgaaaaa gaacagcggc ttgttactga agaacaattt gaattttttt 180

tccatgtata accaaatagc attgtttact atttgatttg ttaagtcaat tgaattaaaa 240

aataag 246

<210> 47336

<211> 273

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038294H1

<400> 47336

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attctcacia gaccgcgcgg cgaaccaaatt ttgagctgaa aggggacgac atggtttatg 120

cgcagatcaa caaaccgat caagagagac cccctttacc cgtcgacgaa gatttgacct 180

ggatgggcca gtactattgc cttcactgcg atcgggtactt tgccaatata actgtgaggg 240

atgagcactt taagaccana cgacacaaga agc 273

<210> 47337

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701038295H1

<400> 47337

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ctgggaataa tctggctatg caagacttta tgatactacc agttggagcc acttcatttg 120

ctgaggcatt ccgcatgggc agtgaagttt atcatgtatt atagggaata atcaaggcaa 180

aatatggaca agatgcatgt actgttgag atgaaggagg atttgctccc aatgttcaag 240

atatcaggga ggggcttgtc ttactcatgg atgc 274

<210> 47338
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038296H1

<400> 47338

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 aacaagacca aaaggagaat ggagtaccaa tcttttggaa gagtccagag accaaaaggg 120
 gctaacataa tgcaggcatt gaaggtgatc ctggttttgg ctggttggtgc atggctgtta 180
 tatcagggtca agcactcgag aaacgataca gagaactata gcgctcaaac cgagtttgat 240
 ggagctatat tgttggggcg taaagggatg ccatcacggt 280

<210> 47339
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038302H1

<400> 47339

gctaacactc attaattgca agaatggcac ttcgttgctt ggcgatgtca ctttcagttc 60
 tcttcactct tgggtcttgcg agagcaagcc atgccagagc acgaagattt ttggcatgct 120
 agttgggcaa acactccc 138

<210> 47340
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038303H1

<400> 47340

ctcgagaatg gccaatgttt caattccact cccacgaaac ggtttctcca aacccaatta 60
 ctcgacaaaa cgcccatggt taacccttcc agcttcaaca ctcagaattt catgctctgg 120
 agtggctgag tttgatggat ctcacatcag 148

<210> 47341
 <211> 145

<212> DNA
<213> Glycine max

<223> Clone ID: 701038309H1

<400> 47341

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agcagcgtac aagcacgaag gaggaggagg agaggaagaa tcgaaagacg aaggcggggtt 120
gatgatcaag ccgcagagct tcaact 145

<210> 47342
<211> 147
<212> DNA
<213> Glycine max

<223> Clone ID: 701038311H1

<400> 47342

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gttcctaaga agctattcaa tgcacgttca atcaccacc tctagcagaa ggtgatagct 120
accatgttgt ggacatcact tccacaa 147

<210> 47343
<211> 144
<212> DNA
<213> Glycine max

<223> Clone ID: 701038312H1

<400> 47343

aaaaaaaaa gaagaaaaaa aaacttggtt ttatcttctt tgttattatt atattcactt 60
cttcaatatc ttggttcttt gatattatta ttcgattgag caaaaaatgg gagttccaga 120
gagagaccct cttgcacaat tgag 144

<210> 47344
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: 701038314H1

<400> 47344

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 accggcaaga ccatcaccct tgaggtggaa agctctgaca ccatcgacaa cgtcaaggcc 120
 aagatccagg acaaggaagg aatccc 146

<210> 47345
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038275H1

<400> 47345

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 taaaccctgg ctttctccgc tttaatttct cgttctctcg ccatcaagtc catatacatc 120
 gttccagcat ggagaagata aaaataaaac tactcatgaa ggatgaaaca tttctccaac 180
 acccttttgt tcttgctgtt gttctggttt taggccttgt tatgatggac ccttttcatc 240
 tgggtccagt gtctgagcat gaattcagac ccgtga 276

<210> 47346
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038248H1

<400> 47346

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 caacctcatc ctcttcccaa agcctcaaaa ttggcatagt tggattcggc aactttggcc 120
 agtttctggc caagacaatg ataaaacaag gccacactct cacagcaact tctcgatctg 180
 attactctga actttgtctc caaatgggca tccatttttt cagggatgtc agcgcattcc 240
 ttaccgcgga catagatctc atagtgttgt gcacatcgat attat 285

<210> 47347
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038249H1

0953113.03200

<400> 47347
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cacatatgct aaacaaggaa actaaattct aacctccttc agatctacac cacccttctc 120
tttttttcca gtttcataaa ttctacacca tgggcacggc ggttctacgg ccacaagatt 180
gtttcaccca ccgcacgct gttccaccgg cggggttttc ccggagaaga acctctggga 240
cacacaacaa caattacttc aggggcacgc ggaagccggt taccgcaccc g 291

<210> 47348
<211> 278
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038250H1

<400> 47348
ctcgagcgtt cggtgagagt tagagagaga gagagagaga gagaaggctc ttttttgtct 60
gntgtgttgg tttctcttgt tttttttttg taggtactga ggaagaaaga ccaaaacttt 120
atccgcttgc ttcacttagc tcaagagcgt acaattcagg caaaggcctt gaagtcggag 180
tgtgtgttaa ggattttctta ggagttgctt ctgtcttgac tgaagaaatg gaggtatatg 240
gcaaattctat ggttgcaggt cctgcaaattg ttattttt 278

<210> 47349
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701038252H1

<400> 47349
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cagaagaatg tggtggatat caacagcatc accagtgttg gagggatcgt tgaccaaggc 120
ttaggcttca taggcagtgc agtcgatgca cttacttttg cagccaccaa aatctccatc 180
cagttgatta gtgctaccaaa ggctgatggt gggaaaggaa aaattggaaa gagtacaaat 240
ttaagaggaa agataacatt accaaccttg ggagctggcg aacaagc 287

<210> 47350
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038253H1

<400> 47350

ccgngttcaa agtcttggtc tatcccaacg tggactacgc attcatagtg acactactta 60
 tgattattga tgacatcaaa gattatgatg tggttgtaaa tgcgacggtg agtggtgtcc 120
 taactgtggc gacggggggg atcttaccta ttctgacatt gtttgagggg gaaaatttag 180
 aagaagaaac cttagatgga gaaaacttag aagccgaata cttacaagaa ggagaaaaca 240
 actcaggtgg agaaaactta gatggagaaa acaaccaga agga 284

<210> 47351
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038254H1

<400> 47351

atagttattc cttgcttcac ttgtatgctt tagtttctag catcgatcac tcctaattac 60
 ttgctgcatt tctctactcc ttgtgcttga cacttttgtc atttaaaatg gaacttaatt 120
 ttaagtacca acttagcctt ttctgtgtca cactgctctt acctgccttg tgtacctctc 180
 aagactcttt tacgtgctcc agagcaacct attatggtag cccagattgt tatggaaatc 240
 caaggggagc ttgtggcttt ggagaatatg gacaaacggt aaac 284

<210> 47352
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038257H1

<400> 47352

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 aaccccatth tctcacacac actctctttt tctcttccaa ttacaacaca atctgtctga 120

gattcgccac cgaaaaacct ctcaccatgg tttctcgcca tttggtttcg ctcttcctct 180
 gtttcctctg tttcgagatc tctgtttcat caattcgatt gcccggttg gaccaagacg 240
 ccaaggccac gcatggatcg gtgcttaggt tgaacagagg agg 283

<210> 47353
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038258H1
 <400> 47353

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 tctcacggca agcaatccag caggtgtatg atgccaagct taacaagtga acccaaaaat 120
 gttgaaatct ttggtgtcta tgaaatcata gtgagctcgg tttagtgggtg ttgatcaagc 180
 ccctcatttg ctcaccaaga catcggtatt gttgtgtgct accttaaact tttgggtggc 240
 aattctacat ctggaagcta gaagagtgtc cttccctcg a 281

<210> 47354
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038259H1
 <400> 47354

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 gaatcttaag ctatgggaaa gtcttaccba accgtgagcg ctgattacca gaaggccgtt 120
 gagaaggcga agaagaagct cagaggcttc atcgctgaga agagatgcgc tcctctaag 180
 ctccgttttg catggcactc tgctggaact tacgacgtga gctcgaagac cggtgggtccc 240
 ttcggaacca taaagcacc ctcgaactc gctcacg 277

<210> 47355
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038260H1

<400> 47355

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tctcttaagg atgttgtaac agaaaacgag ttgaaaaga ggcttttggc tgatgttatt 120
ccacctaatg acattggtgt tactttcgat gatattggag ctcttgaaaa tgtcaaggat 180
acattgaagg aattggttat gcttccttta caaaggccag agctattttg caaagggcaa 240
ttaaccaagc cgtgcaaggg tatcctatta ttgggtc 277

<210> 47356

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701038261H1

<400> 47356

ccaactctgg cttcaacatc tgctggctgt gagaactggg gagagaccaa cttggctgat 60
gctagcccta ggactgatac ttcaacagat gatacagaag acaaaaatca aaggcctgaa 120
aggggtgaat ccagtggatc aaaagataaa tcagatcaaa agacattaag acggcttgct 180
caaaatcgtg aggctgccag gaaaagccga ctgaggaaaa aggcataatgt gcaacaatta 240
gagagcagta ggttgaaact gacccaactt gagc 274

<210> 47357

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701038262H1

<400> 47357

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ggtgttgag atcgtgatga ccttcgggtt ggtgtacaca gtctacgcca ctgccgttga 120
ccccaagaag ggcaatttgg gaattattgc tcccatcgcc attggtttca ttgttggcgc 180
taacattttg ttgggtgggg ccttctccgg agcagccatg aaccctgctg tgacatttgg 240
gcctgctgtc gtgagctgga cctggaccaa cca 273

0953113.032200

<210> 47358
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038263H1

<400> 47358

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gatcatggga gtggatttaa gacaagtggg ggcgggtgtc ctcaccctca caatgttcgt 120
catgcttata cacatgatca aaagagacca ttttgatgct gttgatgata aacttcctgg 180
aacggaggat gtcagctttg aaagtacaaa ctttgatact actcatgtta gacagaacat 240
cgggatttgg aaggagatg gtgatgagtt aaaaccatg 279

<210> 47359
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038264H1

<400> 47359

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gcgttctctc tctcgattc atctgcattg tagtcgccgg cgtcggaggc cagtctcccg 120
ccgcagcgcc gtcaaact cgggccaatc ccgccgccgc cactcccgcc caagcacctt 180
ccacagtacc gaaatcacca gctcccgttg cttctcccaa atcatctcca ccagctgcaa 240
cccctgcatc tactccggcg gcattctcca cca 273

<210> 47360
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038266H1

<400> 47360

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gggcggaagc acaaccgttg actagtctca aacttaactc tcatattctt caggagtcta 120
ctgctaaaga gattaatgaa aatcccaggg caggatggga ggctgctata aatcctcgtt 180

tctccaatta tacagttgaa caatttaagc gccttcttgg agtcaaacca atgcctaaga 240
 agggacttag aagtacacct gctatatctc acccaaagac gttga 285

<210> 47361
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038267H1

<400> 47361

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 cgcgtgaccg gaggaagacg ctgaagctct tcacgcgcgc ggacatgagg atggtgggaa 120
 ggagaggggtg cgacatgtgg cagggcgtga atccggacca tcccgcgaag ttcgagacgc 180
 tggcgatgga tttggagatg aaggagatga taataaagga tttggatacg tttcttgaga 240
 ggaagttttt gtataagaat gttggaaagg cttggaagag 280

<210> 47362
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038268H1

<400> 47362

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 gagaacaaca tcatcccgat ggacactccg ggcggcgcgc ctacctctc caccgctacc 120
 accacgacca acgccgacga ctcgatcttc tactacgacg aggcgggggca gaacgagttc 180
 cagcgcgaca agccctgggc caacgacccc cactacttca agcgcgtgaa gatctccgca 240
 ctgcgcgtcc tcaagatggc cgtccacgcg cgctccggcg gca 283

<210> 47363
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038269H1

<400> 47363

ccacccccaaa aacaaagtga gattatagga aacaaaaatt tctttgctta atactagttc 60
 ctcctttctc ctagcctggg agtcttttga aaattcttta tcttgatcac ataattttca 120
 ttttgaactt gaagaaagt ttagtggtatt tttttttcct taaagaaaca gaacatatcc 180
 tgttctttct ttctctgttt gcatttttgt tcacttcttt ctttctttct ttctttctta 240
 ttatctagtt aagcatgaca acatttatgg acatgtacaa cacta 285

<210> 47364
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038270H1

<400> 47364

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 aggagaacag tgctcagaag caaagggcat gaaggccatg atattcttcg tagccctgta 120
 cttggtggca ttaggtagt gttgtgtcaa gccaaacatg gttgcttacg gaggcgacca 180
 attcgaccaa gacaacccca agcaattaaa gaagctctct acctacttca acgctgcata 240
 ttttgcattc tctttgggag aacttgtgag cctgaccatt ctt 283

<210> 47365
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038271H1

<400> 47365

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 tgcaattggc tgattcaaaa aatgccaaagg tggatcttac accagatggt atttttacct 120
 tctctggtag tgctggtgct gaagaccatc agtatgagct aaaactggag ctctttgaca 180
 aggttaatgt agaggagagc aaaattactg taggagtgcg aacatattct gtgtagtgca 240
 gaacgcagag gatggatggt ggaaaaggtt actg 274

<210> 47366
 <211> 284

<212> DNA
 <213> Glycine max

<223> Clone ID: 701038272H1

<400> 47366

gaagagaaga ggacttgat tttctgccag tttcccagta tgggtggccac aagcacaaat 60
 caatccgagt tagaaacaag taagaaggat tccacttatg acagaatagc tgaagtcaaa 120
 gcctttgatg aaacaaaact tgggtgtgaaa ggcctcttcg attctgggat cacaagata 180
 ccacgcattg tccatcatgc caaggtagag gaccacactg aaaccatgcc aatgactca 240
 aacttcagtg tccccatcat agatctccaa gatatagaca caaa 284

<210> 47367
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038274H1

<400> 47367

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 ctgaatggat gcgtaacggt gattactctc cttctcgatt tcaagctcaa gcagacgctg 120
 tgaatctcat ttgcgggtgct aaaacgcagt ctaatccaga aaatacagtg ggagttctca 180
 caatggcagg gaaaggcggt cgtgttttgg tcacccttac cagtgatctg ggcaagatct 240
 tagcctgcat gcatgggcta gatatagggtg gtgagatg 278

<210> 47368
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038218H1

<400> 47368

ccaaacttca acttgtaatc aaggagaga gaaaatttca agcacaaaaa atggcggaga 60
 agaaagtggg gatcctagga ggtggtgttg ccggtgccaa ccttgcaaaa actatacaac 120
 atcaagccaa cgtcaccctt attgatccga aggaatattt tgagattcca tgggcaagtt 180
 tgacgggatt ggttgagcca acttttgctg aaaggatagt aatcaaccat agagagtact 240

tcaaaaaggg taaccttggt gtatccagt ctgtcaacat aactgaaact gcag 294

<210> 47369
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038219H1

<400> 47369

ccgcttctaa aacgccttac tctgtatctt ctttcatcat ccaaaaaaaaa ccattcacac 60

aaagaaaacc tctgggtttc ccaagatgtc atcatcgga ctctcttctt tctttctcct 120

gccctatca gccatactca gtttcgatgc tttgctcgga gttatgtttc tagtggccgt 180

gttcggctac tggctgggtc ccggtggtct tgcttgggtt ttgtccaaat tcaagcctgc 240

gattcccggg ccttgcggtt acccggtggt gggcctggtt tgggctttc 289

<210> 47370
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701038220H1

<400> 47370

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ttaattttga gtggggagca tcgtgccctt cagccagttt ttcagattta cggtcgtcga 120

caggtcttct ctggacctat agttaccttg aagggttttg aagacaatgt tttggttcgc 180

gagttccttg aagagaaagg caatggaaga gtgcttggtt ttgatggagg cgcgagtta 240

cgctgtgcta tattgggtgg caacctgtgg tacaagctca aaacaa 286

<210> 47371
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038222H1

<400> 47371

ctttgaagga attggttatg cttcctttac agaggcccg gctattttgc aaagggcaat 60

taaccaagcc gtgcaagggt atcctattat ttgggtcccc tggaacaggt aagacaatgc 120
 ttgcaaaggc agttgctacc gaagctgggtg caaatttcat caacatttcc atgtcaagta 180
 tcacatctaa gtgggttgggt gaggggtgaaa agtatgtcaa agctgttttt tccctgggcta 240
 gtaaaattgc tcctagcgtg atatttggtg acgaagtgat agc 283

<210> 47372
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038223H1

<400> 47372
 cttgtgtttg cgtgtctctc cgtaaattgc cttcgactgt gacaacacgc accgatcgcc 60
 atgaacatct tcaccaagaa acccaccgcc aaagaggctc ttcgtgagag taaacgtgaa 120
 atgacaaaacg ccagtagagg tatagagaag gaaattggag ctctacaatc ggaagaaaaa 180
 aagcttggtg ctgagataaa gagaactgct aagacgggaa atgaggcagc aactaaaatt 240
 ctagctcgcc agttgatcag gcttaggcaa caaattgcta atcttc 286

<210> 47373
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038225H1

<400> 47373
 tcttcaactt caccattca tacgtgctgt tgttactgct gctcttttct cttttctttt 60
 ctcttttagtt ctctcttccc ctttcttttt cttttcttctc ttcttctgag cttgtttaag 120
 cttttcttcc attaacatat taccaccatg tgtggtattc ttgctgttct tggttgttct 180
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<210> 47374
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038226H1

<400> 47374

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caccactctc taccaaacca caggtaatgc caacggcaac gtcgggtccg tcaacatcac 120
cgacctcaaa ggcggcaagg tcgggttcgg ctccgcggtt cccgggtcca aactcgactc 180
ctcctacatc aaatccgtca aaagtatccc ctacaacatc tccgtcatcg aaatcagcgc 240
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<210> 47375

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701038227H1

<400> 47375

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tcccaaacca gaaaaccatg tctacctccg cagcttcctt cgcactccca accctcactc 120
tccgaaccgg acaacctcta tgttctcccc aatgcttctc ctggtccctc tccctcacac 180
ccaacaacaa acccatttcc atttctgctg tttttctcaa accaacaact ctgtcgtcgt 240
ctcgttctgt tccccacgtc gtggtgtcgt cggatttggg gc 282
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<210> 47376

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701038228H1

<400> 47376

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gaagagagga gcaagcgggt gttgatgaga agctctgaaa ttccaccaac ttgggggtga 120
cgctaaccgt tacctttggg aagaaactgc ttctatgcca aactgcgttt gcagttaacg 180
aagtcctct cagcaaccct ttgctagtca tcttcagcac gaagagagcg tcgtcgtctt 240
cgctatgtcg cgacagagat ccagaagagc cgaactacct 280
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<210> 47377
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038229H1

<400> 47377

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agatgatcat caacgtgaag gaatcgacgg tgggtcgggcc ggcggaggag gtggcgcggc 120
gggtggtgtg gaactccaac gtggacctgg tggccccaa tttccacacg cccagtgtat 180
acttctatag gtccaacggc acctccaact ttttcgacgg caaggttctg aaggaggcac 240
tgagcaaggt gctggtgccg ttctacccaa tggctgggcg g 281

<210> 47378
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038231H1

<400> 47378

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gtcgttgga gcaacaagt tccccgtgag acagccaatt gggacagcgg cgcagtgcc 120
agacgacggc aaggactacc aggagccagc gccggcgccg ctggttgacc cgacggagtt 180
tcaggcatgg tcagtttaca gagctcggat agcagagctt gtggccactc atctgtatct 240
ctacatcact gtc 253

<210> 47379
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701038232H1

<400> 47379

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cagagttcca cgcaactctg atttacgtgt tcgctggtgt tggatcagcc atcgcttaca 180
 acgagcttac aaaagatgca gccttggatc caacggggct ggtggcagta gctgtggcac 240
 atgcatttgc actgtttgta ggtgtcatcg tc 272

<210> 47380
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038233H1
 <400> 47380

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 ggggtggctg ggggagatgg aagcgacgtc gtccacggtt ctcgaaagcc cgcttatggc 180
 tacgacgtcc catgctgacg tggcgctgat tccgatgagg gaggaggacg agtcgctctt 240
 cgccgacctc ggagagctgc cggagtgtc ggtagtgttc cggcaggggc tgct 294

<210> 47381
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038234H1
 <400> 47381

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 tacatgagtt ggggtgaagg gttcgtgggg cacagatggg tgggtgtttgt gtgcgcgatg 120
 tgggacatgt cgtttgcggg gacatcttac atgttcggga gcatatcgcc ggtgataaag 180
 agcagcatgg gtttcaacca gaagcaggtg gcgttcttga gcgtggctaa ggatttgggt 240
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<210> 47382
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038235H1

<400> 47382
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 aaaacggttt ggtcaccgat tgtccaagag gggagaacaa agggcggtgtc ctatccaacg 120
 actatgttgt tagaaagctc gaaaagctct gcactgtcaa agacatctct gccaaagaaaa 180
 cagtatcagg aatggttaac tttcccttat gggaaggatt caaaagcagc aaatgtggtt 240
 tggctgtctt tgttcagagc aaatctcacc agatttttgg ttcacagag 289

<210> 47383
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038236H1

<400> 47383
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 gtaaagaaat tgtccgaagg gaatcaccag aagagcctga aaatcgcagt aggttatggt 180
 gtctgaaga tatagttcaa gtcttagaag aaaataaggg tactagtaga attcaaata 240
 tagctctgga ttatctcaat tatgaagaag tagaatggga tggaatgg 288

<210> 47384
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038237H1

<400> 47384
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 acaatgaaga tatctgatga gaacagttct aaaccaatca accccacaag ttttcaagga 120
 gggatagaat gtgtggggaa cagaaagatg gggcagaaca gaagggcttt gagcgtgatc 180
 aatcaggatc tgggtggcga agggagacct tacccttgtg ttgttaacaa aagggcattg 240
 gcagacaaac acgatgtatg tgagaagaag caggcggat 279

0053113.032200

<210> 47385
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038238H1

<400> 47385

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agtgaacctg attctaggag tgaatctgat tcagataaac agaatcactc cagtcattct 120
tcgaaggatg atctgaagag gaaaaagcac agaagaaagt catccggaac agttgtgatt 180
cgtaacatca actacatcac tccaaaaagg agaaatggaa atgaggatgg aggctctgat 240
gaatcttttag aagatgatga tgtcatcgat gacgaaacca tcaaacaaa 289

<210> 47386
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038239H1

<400> 47386

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acacctcacc ccacctacc cccatcccac ccaccttctt ctttctctct ttcttccctt 180
ttcccttttag ttttcgtctg ttcttccctt gtgggttctc ttgtctctct ctgatctcat 240
gaagaagatg aaaggggttg tcccatgga acctccttat gaggtgtac 289

<210> 47387
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038242H1

<400> 47387

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ttgctggggc gaaagcacia ccgttgacta gtctcaagct taactctccg atccttcagg 120
agtctattgc taaagagatc aatgaaaatc ctgaggcagg atgggaggct gctataaatc 180

ctcattttctc caattataca gttgaacaat ttaagcgctt tcttgagtc aaaccaacgc 240
 ctaagaagga actgagaagt acacctgcta tatctcaccc a 281

<210> 47388
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038243H1

<400> 47388

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 tctcattcgg gaagcaatcg aagcctcaaa cccctcttga agccatccac aatgcgacac 120
 gtcgttccaa ttccaatccc aaaacagcca acgaccttcc ttctgtctcc tectcttcca 180
 gggattggct caattccctc cgccctccca aaaccctac tectctctct ccgctgcgcg 240
 cgccagatca cgacgacggc ccaatggtgg gaccgcccgc g 281

<210> 47389
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038245H1

<400> 47389

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 agaacaaaaa taggtcttct tcttctctga tctaccaaag cttcaaattc tcttagttt 120
 ggtttgtctg tgagtttgga gtgtaatgtc gccgccgacg ctggtaacgg aggaggaggg 180
 gcggacaccg tggcgccga ttcttcgcaa tcttggact gtttctctca gaatggtgct 240
 ggattgaaag aacggaatta cttagggttg tctgatt 277

<210> 47390
 <211> 308
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038217H1

<400> 47390

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gccgtcaagt tcgtctcgcg ccaccgtcga cgcagctccg accacctcct ttggttccct 120
cactttctcg ctctttcttct tctcagaaat atgccttctc agaagggtga aacgggtcat 180
caagacacgg tccatgatgt cgcgatggat tactatggta agaggctggc cacggcttca 240
tcagatcaca caattaagat aattgggggtc agcaacacgg cctcccagca tctagcaact 300
ttgactgg 308

<210> 47391
<211> 261
<212> DNA
<213> Glycine max
<223> Clone ID: 701038184H1
<400> 47391

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gctaatacaa ctgctggttt tgaagacgtc atcaaattggg cttctagtat catcgcccta 120
cagctgttta gttttcttgg ggaagaattc gggctgctgt atgacaatga gaggacaaga 180
atgtttttct gttatctaaa atgtattctt gttctgtcaa aattgtgagt ttccaagttg 240
ctttgtgaaa cctccaataa c 261

<210> 47392
<211> 282
<212> DNA
<213> Glycine max
<223> Clone ID: 701038185H1
<400> 47392

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atctcctcgt agtaacgaat ggagagtagg gagagggaga ggtgaacctc gtccttgccc 120
caacgaggtt tggaccgaag cacgtgcggg atggcaggcc acgaagaaga agaagaagaa 180
gaaggcgcgt ggggcttgga gagaggccag aggtagagcg cgtggagacg acggaagcct 240
ccgagggcga ggaccacgga tcgtagctgt tgctcaccgc ac 282

<210> 47393
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038186H1

<400> 47393

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 caaagatttg tacgagacat gacagaaaga ccaacagtca ctacacctct tccccaccca 180
 tatagtgaca tgccagtcac tgattttctat aagcttagca aagggaacaa agaggaagtc 240
 ctactgaac ttttcaatct tgcaactgct tgtgaagagt ggg 283

<210> 47394
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038187H1

<400> 47394

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 cagcaagtcg gtgctgctgg tgcatgtgt cctcctcctc cagcacctgc tcttgggatg 180
 taccctcatc atcctccaat ggcacctatg ccttatccgt ggatgccttg tgctccttat 240
 gttgttaagc ctcaagggtc tcaggttctt ttggttc 277

<210> 47395
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038188H1

<400> 47395

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 gctcagaaaa ctaccacccc tcaaaactat tgatgaagga gaaagtagca agctgcagaa 180

gacgttgtcg atgccgtcga caccaacaac cccgatgact ccgacgactc caacgacacc 240
 gggatcgccc cgtaaagctg acaacgtttg gaggagcgtc ttc 283

<210> 47396
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038190H1

<400> 47396

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 ccacaatcca tgtccaagaa accaagtttt gcgagagttt tcgctaaaca aagctcttca 120
 gtcataaaca acaatcaatc tgctgccaag aagtatgctt tgattcgtga taacttctct 180
 acccttgaac aggtgactac agccctgagg aaagaaggat tagaatcatc anattctatc 240
 cttggaattg attttacaaa gagcaatgaa tggactgaat 280

<210> 47397
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038191H1

<400> 47397

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tacatcactg tottaaccgt tatgggagtc gccggggcta a 281

<210> 47398
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038192H1

<400> 47398
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 tctactcttc ttctccaaa acgtccctc tacaccacat gctcaactcc gcctccgccg 180
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 ctcccagcga gtcacgcaag atcgagatgt actccctg 279

<210> 47399
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038193H1

<400> 47399
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 taacttggtg agccagcaat gcagggtcac gttggtaaga tatcataatg cagaggcaca 180
 ttgcaggaag agttttgagc atcaaacgag gagcatcttg agaagactcc atggagctac 240
 tacttttctc tacacccttc cttttttggt ttaggcagtt tttt 284

<210> 47400
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038195H1

<400> 47400
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 gaaggccttg cccttggtgaa tggcaccgct gttgggtctg gcttggcttc aattggcctt 120
 tttgaagcca acatcattgc tgtcttgtct gaggttattt cagcaatttt tgctgaagtg 180
 atgcaaggga agccagagtt cactgaccat ttgactcata aactaaagca ccaccctgga 240
 cagattgaag ctgctgctat catggaacac attttg 276

<210> 47401

<211> 300
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038201H1

<400> 47401

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 acttttcacga cactgtcagc aagcacgatt tcatcgctgt cgagttctac gctccatggt 180
 gtgcccactg taagaagctt gctcccagat atgagaaagc tgcttctatc ttgagtagtc 240
 atgatcctcc ggttggtttg gctaaaattg atgccaatga ggagaagaac aaagaccttg 300

<210> 47402
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038202H1

<400> 47402

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 tgttccacat tcacaatggg gcggtttgga gaaaccaagg acagaaggac agtgagagtg 180
 gaatgcttca tgaaagaaaag cagccccaat atctgggtga ggcctatcag tggactcaca 240
 atggtggttg accttgaact catgaagatc gttcagtatc acgacggtgg cattata 297

<210> 47403
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038204H1

<400> 47403

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 catggagggt ctcacaaacg gcttcacaa acttgctctc ggagctgatg gtggcgatcg 120
 ggaagaacaa caacacggga gacacgaccg tagtagaagc tcctgggctg aagtcgtctc 180

ccaggatcaa caagtaccat tccaactccc atgtctttta atatttgctt catcacccaa 240
 tctcatttct tcattcttca tttttgcaag atcacctctt tcctcatcac caa 293

<210> 47404
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038205H1

<400> 47404

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 tcgtttgtat agagcatggc cgggtggttct atcaagagac attgtttctc cgaagaggac 120
 gatgtggagc ctgggtattc tgggcacaac cacttccatc attaccaaca cggttttatt 180
 tctaggacat tgggttatgg cactttctac aaccgacgtg tgaggagcca ttcgattttc 240
 tcgccgagat ctgggagatt ttatgatgcc agattcgaag accaccaacc cca 293

<210> 47405
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038208H1

<400> 47405

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 taagtcaaat gtgggtcaagt ttgaagtga gctttacaaa actcgtgagg agaaatatct 120
 gcttgatctt caaaggggtc agggcccaca gtttcttttc ttggatctgt gcgctgcttt 180
 cctttcacag ctacgtgttc tctagtgaag ctcaagaagtc gcaaaggaga ccttgaggtg 240
 tcttgtgtgg catgtgaata agcttacgtt gtacatatca atgccctttc 290

<210> 47406
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038210H1

<400> 47406

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 tcctccaaac atgtgttctt ttggtgctga ttacaaaaac taattggaac gaagaggcct 120
 cccttgccga agataggata cggacttggg gtggacataa aaaagcgact gtgaatgaca 180
 cagaaaacac acaagaaaca tgaaattgca gtaggagaat tggtagata tgaagtatga 240
 tacttgaatt gttgacagaa aagctttagt tgcttagaa tattct 286

<210> 47407
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038211H1

<400> 47407

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 ggccgtaccc tcgccgacta caacatccag aaggagtcaa cccttcacct tgccttcgt 180
 ctccgtggtg gcatgcagat cttcgtcaag actctcactg gcaaaaccat aaccctagag 240
 gtcgaaagct ctgacaccat tgacaacgtc aaggccaaga tccagga 287

<210> 47408
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038212H1

<400> 47408

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 atgatcacct actgtgtgaa atcgaaggta accacctcac tcacgccgct atcatcggcc 120
 aagacggaag cgtttgggct cagagcacca acttcctca gttcaaact gaggaaataa 180
 ctgccatcaa taatgacttt aatgagcctg gatcacttgc tccaactgga ttgtatatcg 240
 gtggcaccaa atacatggtc atccaggtg aagctggtgc tgt 283

<210> 47409
 <211> 284

<212> DNA
 <213> Glycine max

<223> Clone ID: 701038213H1

<400> 47409

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 tgaacacatc cgtgggcaaa accagcatca tctctcgctt catgtatgat aaattcgata 180
 ccacctatca ggctacaatt ggtattgatt ttctatcaaa aactatgtat cttgaagatc 240
 gaactgttcg actgcagttg tgggatacag ctgggcagga aaga 284

<210> 47410
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038214H1

<400> 47410

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 tgaagaagag aacgaaggaa cgaagatgga gactcctcct ccgcaacaag gcgtggtgaa 120
 gaagaaggag acaagggggc gaaaacccaa gccgaaagac gaacacgcca aggcgttgaa 180
 ggaagggaga aaaacacagc aacaacaaca tgatcagcag caacaacaac aacagcaaca 240
 tcaaccttcg gtggacgaga aatacacgca tganagtccc ttgttc 286

<210> 47411
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038215H1

<400> 47411

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 tctctcaaac gttcaaacc tgaaaccttt ctatcttttt cttttgatta ttatttggtg 120
 agactgagac gtgtttgtac tttctcgag cttttgatta ctttaacatt ttggtttgct 180

ggtaatatc cttgttcgtc ttcagttggt acacttttgg ccccttttta ggtttcgggtg 240
 attttccgga gacccagggtt ggaattcgca agatctaagg tttt 284

<210> 47412
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038216H1

<400> 47412

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 ttggccaaac actcccatc caagttcatt gcgagatctt ctaaagcctg gccctgcaag 180
 tgttgaaatc gatgaccacc ctatgcaaat tgaagaaaca cagtaccgga aaaccttctt 240
 ctataaagaa gaccttcac caggcaaac aatgaaagta caattcagc 289

<210> 47413
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038183H1

<400> 47413

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 ggcagcgagc gctcccatc cacgcgaaga gttcgtgtac atggcgaagc tggcggagca 120
 ggccgagcgc tacgaggaga tgggtggagt catggagaag gtctccgcct ccgccgagag 180
 ctaggagctg accgtggagg agcgaaacct cctctccgtc gcctacaaga ccgtaatcgg 240
 cgctcgccgc gctcctggc gcatcatctc ctccattgag cag 283

<210> 47414
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038155H1

<400> 47414

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aatttcagct cactattctt atttttctgt ttcattccaat cctgctcatt tatttttaat 120
gacaaaatat acgcaaattg tgcaaagttg aagatcttcc acatcttggt tcatgcccag 180
ctcctcaagc tagcttttga ttttgatttt tctcatcttc tggcttaaat ttctcatctt 240
tttctataaa aaaaataaaa ttcccagcag catagtagta gaagttttt 289

<210> 47415
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 701038156H1

<400> 47415
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attcagaaat cagcagcctg gctgctctag aacacaaaga tttgggtttt attctaccta 120
acaccacatg gatacgttgc cggaggattg tgtttccaaa attctgtctt acacatctcc 180
accagacgca ttagattctt ctatggcttc ttcaacccta cgtcttccg ctgactctga 240
ccttctctgg cgaactttct ttccttctga ttactctgac attgtctc 288

<210> 47416
<211> 218
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038157H1

<400> 47416
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tcagcaaatt attacttggg tgagattttc attgatgggt tgagtgcctt agtggacgac 120
cccttaagaa agggttctnc atgtatacat gtaatgataa tatgggatct attgattttg 180
agatatttga natgttagtc tacccttaac ttgataac 218

<210> 47417
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701038158H1

<400> 47417

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tattgttggt taaaaaattt catgcacatt gttttaagca gtgttgtaa atagccgcaa 120
tagtggcgct atagtgttat tgcattgcga aattccctgg atccgcgatt gcaactctgg 180
tccactattg tggctgttat aggtgttggt gttgcagcat gcgtgctgca tcctcttggt 240
atctctgtca agtctcctgc caattggact tttgagttaa tatt 284

<210> 47418

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 701038159H1

<400> 47418

caaatggcag gataggaaga ctgcttcttg gtttctaatt tcacaggaca cagtcctcct 60
agaagattca acaagattac atcactgaga gactctgcct ggtttactat ttctcaagcc 120
aaaaattcac gtgaagcaaa taacaggcga atcatgtcat tagttaggct tgctgatcta 180
gctcctacat catatgaaaa tgctaagctc ttctcactga aggggtgtga tgtagacca 240
ggcctgtcct cccaaatttt tgatcctgat aagcatagga gcatgtac 288

<210> 47419

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701038160H1

<400> 47419

cttcatttca ctgtgagcaa acaagatctt cagatccatg acaacaacga caatgcttct 60
gcgaactcgt ccacgcgat tctcaattct cgcacccctc acccgaagga ttcgcctcac 120
gaaccgaaa tccttcaccg gagcccgcgc acgcgctcgc tcacgctctc cgcgctcgcg 180
agttcgtctc cgccggctga agcttcgcgc agcagaatga cgcgggcgct gtcggagacg 240
gatctctccg cgcgctccaa aacgtcttcg ttcggctcct ctctgtttt 289

<210> 47420
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038161H1

<400> 47420

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 ctgaatccct ttctgttaat catctgtctt tcaagctaag attttcgggt ttgtctatta 180
 attcaccaag aagcaaactt agaaggattt ttcgaaagcc aggtgttttc agaaacgaga 240
 tccaggtttt attgtcgaat ttcgctagtc aaattaattt tcataa 286

<210> 47421
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038162H1

<400> 47421

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 tagagactgg ggttgtgaag cctggtatgg tggtgacttt tgggtccact gggctgacaa 120
 ctgagggttaa gtctgttgag atgcaccatg aggctctcac agaggctctt ccaggtgaca 180
 atgttggatt taatgtgaag aatgttgcag tcaaggatct caagcgtgggt tttgttgcac 240
 ccaactccaa ggacgactct gccaaaggaag ctgccaaactt cacatccca 289

<210> 47422
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038163H1

<400> 47422

gagactctcg aacagcgtga agctggtaca acaacggctg ttgtttctga gcaaacaaaa 60
 gcaattgcag ctaaaatc aaattgggac aatgtcgttt tggcctacga gccagtttgg 120

gccattggaa cacgaaaggt tgctactcct gctcaggctc aagagggtcca tgctgatttg 180
 aggaaatggg ttcattgacaa tgtgagtgtc gaagttgtct catctgtaag aattatctat 240
 ggaggttctg taaatggagg aaactgcaaa gaattggccg cacagcccga 290

<210> 47423
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701038164H1
 <400> 47423

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 tcctcaaagt caccatatga ttctttcat gactccgacg ggtgatattc cgccacttta 120
 catgctttat gctgttggtg tgcacctgga cacactaaat gcgtctttct ctggacacta 180
 tgtttcatat gtgaaagatc tgcaaggcaa ttggttcaga atagatgata ttgaggttca 240
 gccagtacta gttaatcagg tcatgtcaga aggagcatat atcttattct acatga 296

<210> 47424
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038166H1
 <400> 47424

cgcttagcca catggagcat catcacctaa gacttattct cctactcttg ttctgttcc 60
 taccacaacac ctgcttctct ttctcatttc aaactccttc aagcaatgaa ttctcgaatc 120
 aaagttcttc ctctctgaag cagcagattc tggagctagc taatagtccc agcacggtga 180
 aatggatgaa gagaataagg agggaaatcc acgagcacc agaacttgca tatgaagagt 240
 tcagaacaag tgctgtcata aggcgtgagc ttgacttggt ggggtg 285

<210> 47425
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038168H1

<400> 47425

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 ccacccctc ctcaagagtc agtggtgcaa gtggaggaag tgggtggaac cgatgttcca 120
 cagcccgaca aaacaacaac tacagttcca gttgaaagag attcgcaacc tcaaccttat 180
 gagccagaga agaagaagcc cgttgaggaa accgtcactc tcgagactca cctctccaaa 240
 cccaacaatg ctgaccacac caacaacatc cctgaattca ttgaagaa 288

<210> 47426

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701038171H1

<400> 47426

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 gcttctttcc atctcagaag attagtaagc agcgttctta actcgcgggg gcaaacaaat 120
 ccccttttga ccttcagggt cttctgttct cctcctgtta cacctttcac ttcccatgct 180
 agttacgacc ctaactccat ccacttgtcc aaccaagaaa gcaaaagacg cttgttcaac 240
 aggctattat acagaagcaa gcagcgaggg ttcctcgaac tcgat 285

<210> 47427

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701038172H1

<400> 47427

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 tgagatttgt atctcaagat tgggcgggtt catgtgcact aatacttctg gtgtcatgca 120
 caacatactc attagcttct ttggggaaac ctgagaacaa catataaaca tctgttttta 180
 aatcacccaa gattgagcta ggtccagggt tagtttcaaa caaattttat tttgatgttg 240
 actttccaag aggccatatt gcactcaaga gtttcaatgc t 281

<210> 47428
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038173H1

<400> 47428

gcggctgtct ttgttgaagc attcaaaagt gcgaggtgcg tattgtctag gggtttttct 60
 caaatggcaa tgatccaact actcttttag gaggcattgt tgttcgtaac actcttgtaa 120
 tgtatgatcg tgagcattca aaaattgggt tctggaaaac taattgttct gagttatggg 180
 aaagactaca tgtctcaaat gccccaccac ccttgatgcc tcctaaatct gaaggaacaa 240
 atttaaccaa agcatttaag ccctctgttg ctccatctcc atca 284

<210> 47429
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038175H1

<400> 47429

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 caaacgcaga gtttttcgcg tgatggatag tcgtcttgaa ggccagtatt cccttacaca 120
 agctcaaagg gcagccaccc ttgcttttca atgtcttgct gtagagccca aatacaggcc 180
 aaatatggat gaggtggtga gagcattgga gcagctacgc gaatcaaata atgatcaggt 240
 gaaaaatggt gatcataaaa agcgtagtag agttagtgga t 281

<210> 47430
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038176H1

<400> 47430

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 agttccttca actcccattt ctcggtgtaa gctgtttcaa tgccaaccct gtcaattcca 120

tagatgcaca gaactatatc ttctcatca aacatattat actcgaacta catcaattaa 180
 agtatcaatg gcagaccaa atgagccgag tgagggtta atgcagattg ggatcatgag 240
 ggagaaactt aaagaaacac tgccagtctc agttcaag 278

<210> 47431
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038177H1

<400> 47431

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 ctggttctct tgagcgggat gaagtatttg tgccaaagca gaagtctgt atcaagtgg 120
 actctaaata ccttaacaat cctccaggca gagtcctcac tcttgctgtc accctcacac 180
 ttggttgcc cttgtacttg gctttaaatg tttctggaag gccttatgat agatttgctt 240
 gccactatga cccatattgt cccatttact ctgatcgtga acg 283

<210> 47432
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038178H1

<400> 47432

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 tgatgggtccc gcctccgttt cccactatct caaacccaaa catatagctc tcgtcgacga 120
 cgagggttta cctttacaag aggtgcattt tagaggctac tccaaggaac aacactccct 180
 cttcctcacg gttactctgg ttttgctgtg tgtaagaaaa gttcgccctcc tacctccgac 240
 gaaaactctc actcttgga catgatagca gaccaaagac a 281

<210> 47433
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038179H1

<400> 47433

agttgtagac gcagacgcag cagatcagat cctctgtctt caattcaagt tcaaggtatg 60

gctcaacaac agggggacga aatggagtat gctgctgatg ataatgaaat ggcggaagta 120

gaagatgaca tgtatttcag tggtagagtg tttggtgatt cagagtccga atcagacgac 180

gatgatgaat atgactccat ggaaaatcgg atgacagata cctctgctgc agaagctagg 240

aaaggaaagg atatccaagg tattccttgg gatagactta gcattag 287

<210> 47434

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701038181H1

<400> 47434

cggataggtc aaacatcatc atgtcggacg aagagcacca tttcgagtcc aaggcagacg 60

ccggtgcctc caaaacctac cctcagcaag ccgtaccat tcgcaagaac ggctacatcg 120

tcatcaaagg acgcccctgc aaggttgtgg aagtttcgac ttccaaaact ggaaagcacg 180

gtcacgcaa gtgccacttt gttggaattg atattttcac tgccaagaaa cttgaggata 240

ttgtgccctc ttctcacaac tgtgatgttc ctcatgtgaa tcgt 284

<210> 47435

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701038182H1

<400> 47435

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aatcctctat caccaaactc acctataccc tcaaactcaa ggccctatag tccaagcaag 120

tgagtgagtg ttacaactta cacagcatgg aatatagtca atatactact tattcagcag 180

aagggtgtga ggcagaaaact tacacaagta gctgcaccac cccatcaaga tccaagacgg 240

gaaccaccaa caacacaaga aggttcagtg atgaccaaat ca 282

<210> 47436

<211> 285
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038154H1

 <400> 47436

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 ctgtcggact catggcgctt ctgaaccag gccaacgcca ctcccttcct gaccttcgtg 120
 actgagcgtg tcggcgctc cgtgtatgtg gctttctcgg gcgtccatat ggccggcgag 180
 tccgaccga actggagaaa ttgactcct ttgtacagca tcggcggcct gcctctgttt 240
 tcgtctcggc ggagcaagga atgggaggac acggtcatgg ttcatt 285

<210> 47437
 <211> 294
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038130H1

 <400> 47437

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 tttcattcat cacaatatta aagccttttag tttccttcag tatggggggac acttacgttt 120
 tggccacacc gaagcgcaac cgttccgatg acgtggacgg cggcgaggcg aagaagctgc 180
 tggtgcagca gggcgaggca gaccggcggg cggcgctggc gagcgcgagg cacgagttcg 240
 gggagcacgg cgggggtgaac atgtcgatcg aggcgtcggc gacgttcacg gtga 294

<210> 47438
 <211> 287
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038131H1

 <400> 47438

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 gtaaggcaaa ggttcacatc agtattgtgg tcattggcca tgctgactct gggaaatcca 120
 ctaccactgg tcacctgatt tacaagcttg gaggcattga caagcgtgtt attgagaggt 180

ttgagaagga agctgctgag atgaacaaga ggtctttcaa gtatgcctgg gtgctggaca 240
 aacttaaggc tgagcgtgaa agaggaatca ccattgatat tgctttg 287

<210> 47439
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038132H1

<400> 47439

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 tattaagata ttttcatgtg gtatagattc tactcttttt ttttattagt gtggtataaa 180
 ctctcttggtg tcgcaaagtt tttctccctc gtgatggaat atatggattt tgatagcc 238

<210> 47440
 <211> 296
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038133H1

<400> 47440

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 attcagctat gacgggagca caagctctgg tggctatcat accatctagc ggtgccccaa 120
 atgcatatac ttcttccatc caaaatcccg gaccacact ggcagaggga gccatctctt 180
 ataatcctct caggattgac ggctacccat cagagcactg aggtcaccat ctatgctacc 240
 ctactcttc ccagtggtag cacacttttg tccacctttg gaacgatggt ctgtgt 296

<210> 47441
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038134H1

<400> 47441

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ctggaccctc tcttgtgcca acttacaaca tagattagat attactttga caagaaaacc 120
tagatctttc tccctctat gaccttctca atatagactt gtatttatag aggtttcagc 180
ttcaggaag atgataatgg tctaaaaaga aaaaaagctt tgcattggcg gccacagaat 240
aggagaactt ggtttgtctg agtcaagacc ttcaactcac cacatccctt atg 293

<210> 47442
<211> 289
<212> DNA
<213> Glycine max
<223> Clone ID: 701038135H1
<400> 47442

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actgggcccc acaggcgggc atactgagtc atgactcggt gggaggggttc gtgactcact 120
gcggttgaa ctcggtgttg gaggcggttt gtgaagctgt gccaatggtg gcgtggcctc 180
tctacgcca gcagaagatg aataaggtga tcttggtgga ggaaatgaag gtgggtttgg 240
cggtgaagca aaacaaagac ggcttagtga gttctaccga gttgagggga 289

<210> 47443
<211> 292
<212> DNA
<213> Glycine max
<223> Clone ID: 701038136H1
<400> 47443

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gcatccaaca atggccttgt tctctgctac cgcaaccggt cttcctcgga acctcgatt 120
cgcttctctc accaaactct ccctctctca cagtcactct cttctacatc acttctttc 180
attccccact cccaaatcat caaacctctg caaccgggtc gcaatctctc tccaaacccc 240
acgcgctcaa tccggcgctt ccgcctcgc ctccttccat ggctctgct ac 292

<210> 47444
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038137H1

<400> 47444

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tctctctatc tctctctctg cctcacactg gagtaccctc ttcaatttcc atcaattaag 120
tttctctaata accctctgaa tcatcatcat catcatcatc attagtcacg gctcttgatga 180
tatattttgt gctttttctt gccctcactg gccattcaag tgctctttac tgtgtatgca 240
aagatgggtg ggggatcaa gctcttcaga aagcaatag ctatgcatg 289

<210> 47445

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701038138H1

<400> 47445

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ctcaccctca cgtcccacgc gatttgcaact taccgggcta cgctccctgc ttcttttcca 120
tgtccaacat tctctccgtc ttgcctcct cctcattgct catcgtaact ctgctctgga 180
tcttctctgg acgctttaag aaaaccaaag ttgatagagt gctgatgtgc tgggtgggctt 240
tcacaggtct cacacacatt attcttgagg gttattttgt tttctctcct 290

<210> 47446

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701038139H1

<400> 47446

gagaaacatg gcttccttaa gctccttagt gctgctcctt gcagctctaa ttctatcccc 60
tcaagttctt gcacactatg agaatcccc agtgtacaag cctcccactg agaaaccacc 120
agtttataag caccagttg agaagcctcc agtttacaag accccagttg aaaagcccc 180
aatttataag cctccagttg agaagccacc agtgtacaag ccaccagttg aggacgcccc 240
cgtgtacaag ccaccagttg agaaa 265

<210> 47447
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038140H1

<400> 47447

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 atctgattac tcgttggtgta ctataaccaa attgggtgcaa ccccttttgc atctgaccc 120
 agaatcacia gcctagctac ccgttttcta cttctcatg acgtgtaatt gggtg 175

<210> 47448
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038142H1

<400> 47448

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 gtgaactctg ttgcgtgatt aaaacaagtc tgagaagaaa aacaaattag tccaaccttt 120
 tgtttgtttc tggaagttag ttatatcaag ttgtgttttt gcattaaggg gtttttgtca 180
 atgatatgct aattttaata gatgtagatt tatgtcaatg atattgtatg ttaattttat 240
 tcagtctcgt atctagctga ataattaaga attatact 278

<210> 47449
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038144H1

<400> 47449

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 tgaacatgga gcacttattg ttgcaacaga tattcaagat gaacaaggtc accgagttgc 180
 tgcttcaata gggtcagaga gagtgactta ccatcattgt gatgtgagag atgaaaacca 240

agttgaagaa acaatcaatt tcactttgga aaaacatggt cgcatagatg t

291

<210> 47450
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701038145H1

<400> 47450

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accacataac taatgcaacc aataaaggct accctgttat gggttcatttc tctgcttatt 120
gggtgatgcc ttcaatagct atgaatcatt tctttcaaca actggcctcc acctatcaaa 180
atgttctctt tctgaatggt gatgttgatg aggtcaagga agttgcttcc aagttggaaa 240
ttaaagcaat tcctaccttt tgtttgcagtg aatggaggag ctccagtga taa 293

<210> 47451
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038146H1

<400> 47451

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aggcgtactt gcttggttct agtcctacag aagctacacg tttgcggaca ctgtcactgg 120
gctattcttc aagtactgga gcaactctga agaaagtga ttttaaggcca ccaacacatc 180
cacgacgaca ctgcctcca ccaccaactc ctggctattc tcctgaaccc ggtccaggac 240
gaactcgaag atctcctccg actccaagac ctttc 275

<210> 47452
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 701038147H1

<400> 47452

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tgattttact ctctctctga attctctttt gttttctagt gctggtgtgt aatttgaagg 120
 agaattttta aagtgggttg gggttgggtt tagaattctg tgactaacgc gtcctgggtc 180
 accgtgcccc tcccttggat tccgctggta gtgttttttg tgcaggaaaa cagataaagt 240
 cggtggcttt attggaatat ggtgaaactt gtcactaacc tttattgttc tt 292

<210> 47453
 <211> 299
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038148H1

<400> 47453

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 aataaaaaga cacaccaaag ataccattgt taaaagtttg ggcagcccta ggcacaaaag 120
 aaagtgggtga ttgatggcta ctctccggt gaattcggtg ccaatagcat accaagcatg 180
 gacaagcctg ggagtcacag attggttgaa caaaggagac aacgcatggc caatgggtgc 240
 agccaccttg gttgggattc aaagcatgcc gggcctcgtc atcctctacg gaagcatcg 299

<210> 47454
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038149H1

<400> 47454

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 atgacagcca cgtaaggca atcaagcaag ttgatgttgt aatatctaca ctaggtggac 120
 agcagataga tgatcaagtg aaggatcatg cagcaataaa agaagctgga aacatcaaga 180
 ggttcctccc atccgaattt ggattagatg tggatcatca caatgcagtt gagccagcag 240
 caagcttttt caacaaaaaa gtgaaaatca gaagggaat t 281

<210> 47455
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038150H1

<400> 47455

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 cggcatggcc acttccaatg gcttcgtcga cggcactccc teggaatctg cattgatctt 120
 tctcggcacc ggttggtcga gcatgggtcc caacctcatg tgctctcttc agccttctga 180
 ccctccctgc cccgtctcgc tccagtcatt gtccatccct cccgaacgaa accctaatta 240
 caggtgcaat acgtctctcc taattgacta cggcgccgcc gccgc 285

<210> 47456

<211> 300

<212> DNA

<213> Glycine max

<223> Clone ID: 701038151H1

<400> 47456

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 gatcagtatt ttgctatgtg tgggtgctttt gggtttcctt ggggtttgtc aaggaggcag 120
 cctaaggaaa aagttctacc gggattcctg ccctcaagcc gaggacatta ttaagaccaa 180
 aaccacagcag catgtgtctg ctaatcccgga tttgccagcc aagttgctta gaatgcattt 240
 tcatgattgt tttgtcaggg gttgtgatgc ctcagttttg ttgaactcta ctgccagtaa 300

<210> 47457

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701038152H1

<400> 47457

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 aatacaatgt tcccatttca caccaccca ttctcaaccg ttggtttccc agtgattgtg 120
 atccgtctgt taatcttctt ttcaaacatc atgacgagct catttgcaac tttgaagcac 180
 cttttctgag ggagagagtc ttccactttt ctgcagagtc catagcaaaa ctgaaagcaa 240
 aagccaactc agagtccaat accacaaaaa tctcttcatt ccagtcatt 289

<210> 47458
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038153H1

<400> 47458

gagaaaccat atagaatcaa ttctaataat ggttttgccg acttaaattt accatgtaag 60
 cttcaaaaag agacaggtgt gcagtctgat gattttgggg cctcaatccc tcaçagaaac 120
 catacatttc atgatatgcc cgggagaatg acaccaggct ctcataattt tcccaatgat 180
 gtcacacctga atttgaaaag aaaacaggat catgaagctt acccagatct cccactatca 240
 aatcacgggc agaaacatgg atggctgccc tcgggcactt gtgctggg 288

<210> 47459
 <211> 295
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038129H1

<400> 47459

cgcgaccgga gctccgctct gccgcgtccg agctcgcttc tggtctgaac cagttttggt 60
 ttgttccttt gcggcttggt tctctgactg tgcgagctat tggtccgaaa agcaatggca 120
 agtgcattga gtagcagagt tgaatctggt cgaaactccc cttttctaag attttcgctc 180
 aacttcatca gagcccttag ctcttcttcg tcttcttggt ctgccgtttc ttctgctgag 240
 aacctaaga aatcaaagcg aaggaagacg aagaatttgt tcgaggtggc tcagt 295

<210> 47460
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038107H1

<400> 47460

cattggtgtg cctgagccct tgtctgtggt tggtgacact tatggcactg ggaagatccc 60
 tgacaaggaa atcctcagca ttgtgaagga gagttttgac ttcaggcctg gcatgatctc 120

catcaacctt gatctcaaga ggggtggaaa tggcaggttc ttgaagactg ctgcatatgg 180
 acactttggc agagatgacc ctgacttcac atgggaagtg gtgaagccac tcaaggggga 240
 gaaggtactg cttaactaaa ggggttccaa cactcttggc caaggacttt t 291

<210> 47461
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038108H1
 <400> 47461

cacgtggtct ttctccaagt cagtgagcct cattctcatt cttgctactt cagaaactcg 60
 cttccctttt ccaaagcgaa gacgccactc cgtttaatga ctacttaata tgtcatatat 120
 gccataacgt atgtacagta tgcataaaca tgggtgtaat gcatggcgtg atattgtggt 180
 tattttcctg tcaactagtct tttagagtatg ttcttgacat gctgtgttca gtactattgt 240
 tactctgctg aactattcca acattgggaa ctgatctggt tctaagtcac c 291

<210> 47462
 <211> 290
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038109H1
 <400> 47462

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 cactgtgctg atgggagcat gtggatggag agtcaggggc agcaacagag ctatgccttc 120
 caagaagagt cttggagccc tgataacaac tatggccaca accacaagca attcccaggc 180
 atgcacatga acatgaacaa caacaacaac aacaaaaggc ttggtgattt tgccgctgtg 240
 agatcagact tctcaatgcc aaaacatcat catgggcatg gcaacggcgt 290

<210> 47463
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038110H1

<400> 47463

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 aacatttgct tggcttcata gattctaagt gtctaaaatg gatgggtgag cttgacatac 120
 ccgacataat ccacagccat agccatggcc aaccatttac tttttcagag ttggtgtcaa 180
 ttctacaagt cccaccaact aaaactcgtc aggtgcagag cctcatgcgt tatctagcac 240
 acaatggatt ctttgagata gtaagaatcc atgacaacat agaagcatat gctct 295

<210> 47464

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038111H1

<400> 47464

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 gaatgcttat atgaacttta tgttgagact gtcaaggaaac gtaggtgcta tcaacagtga 120
 taacatcttt gaagtgaac ggcattccaa aggctcgta agtgtataag gggtattcca 180
 gtgatgaatt tgaggctagg ctcatctttg agatttctaa gacattgggt gcttcctatg 240
 aaattcatcc cat 253

<210> 47465

<211> 295

<212> DNA

<213> Glycine max

<223> Clone ID: 701038112H1

<400> 47465

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 agcatgtgag accagagaaa gcgtggataa atggcggatg cagagccgca gtctcgatcg 120
 cttgccttct catctcgccg actctctcct ccgcgcctc atcgcccgcc gccatcttta 180
 cccctctctc ctcgaggttt tcaaacatag tgctgaagag gttgatgtga gacgggacaa 240
 ctccgtggac gcagaatgga tggcgtatct gggagcatat cgtcacttgc gctac 295

<210> 47466

<211> 294
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038113H1

 <400> 47466

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 attgtgggtca ttggccatgt cgactctggg aaatccacta ccactgggtca cctgatttac 120
 aagcttggag gcattgacaa gcgtgttatt gagaggtttg agaaggaagc tgctgagatg 180
 aacaagaggt ctttcaagta tgcctgggtg ctggacaaac ttaaggctga gcgtgaaaga 240
 ggaatcacca ttgatattgc tttgtggaag tttgacacaa caaagtatta ttgc 294

<210> 47467
 <211> 286
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 701038114H1

 <400> 47467

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 ccgccggcga cattggcgga gttcactctc aacgcgcgcg acggtttgga cttctacgac 120
 gtgagtcggg tgcacgggta caaccttccg atgctgatcg tcgccaaggc aggcacgag 180
 ggacgggtgna gcgccaccgg ttgcctccgt cgactcacag gcgggtgtcc agcggagctg 240
 acggtggcgc gatcacacgg cagccgcggc gacctcgcgt gccgga 286

<210> 47468
 <211> 299
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038115H1

 <400> 47468

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 gatgtactac tcactttgca tgctcgtttt aaggcttctc cagatatggc tgttactctt 120
 cttcaaattg caagaatatt tgctacaaa gttcccggaa aggttgatgc tgatgtgttg 180

caactgctct ggaagacttg tcttggtgga gctggtcctg atggaaaaca taaagcttta 240
gaagcagtca caattgtact tgatctacca cctccgcagc ctgggtcaat gcttggtct 299

<210> 47469
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: 701038116H1

<400> 47469

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ccttttagcga gtaaactcag agaacttggt ccctatgagc tgctgagaga acttattagg 120
aatgatgggtg agagattcct caaattcccg gtgcctgatg tgatcaaagt gagtaagact 180
gcatggagga cagatgagga atttgcaagg gaaatgcttg caggggttaa ccctgttatt 240
atccgccgctc ttcaggaatt tccccggcc agcaagctag attcaagagt ctatggagac 300
c 301

<210> 47470
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038120H1

<400> 47470

caaccagtta tttcaaaatt tagttacaat cattgggtct tattctctaa cattgatgtc 60
ttcatttttt ctattttttt ggacatgcag gcctccagtc agttttcttt gtccattgtt 120
tgtttctggt cgggtaatga agagtgatc ccggtccagc aaccagcgat gtctcgcttt 180
ttgggttttg tattccttgt gtatgatcat ggaaggggaa ctttcagtgc tattaactg 240
cctcccatgg tggcctcatg tgaaatccat agcaactat 279

<210> 47471
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038121H1

<400> 47471

gtggtttcag tgagtgatcg gtgttcactt gatccttcat aagtcgtcat catcatcatc 60
atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120
aggctactca ccccgacacg ttgaaggcgg ggttggtga gttcatctcc accttgatct 180
tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gctcaccgac aacggcgccg 240
ccactcccgc cggcctcatc tccgcttcca tcg 273

<210> 47472

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701038123H1

<400> 47472

cgacaccaga ggaacaaccc aaggcagagg agaaaaaac agaggaagag aagaagaaag 60
aagaagcagc agcagcggaa aaaccaagcg aagagaaaaa accggaacaa gagtcgaaag 120
aggaagtgtc tgctccgcca ccgccaccgc caccggccga gattgtgctc aaagtgttca 180
tgcattgcga gggttgcgct cgcaaggctc gtcgctccct caaaggattc ccaggggcgt 240
acgatgttgt caccgattgc aaatctcaca agtggtcgt taaggagag 290

<210> 47473

<211> 293

<212> DNA

<213> Glycine max

<223> Clone ID: 701038124H1

<400> 47473

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acagcataac catggcacia aatgttcatt ttgcttgcaa atcttgggtt caaccataca 120
agcttgaccc agagaagaga attttcttcg ttaacaaggt gtatctaccc tgtgaaacac 180
caattggggg gaaagaacta agagaaaagg aactgaaaca gctaaggggt gatggatggg 240
gacttagggg atcttctgat agaatctatg actatgatgt atacaatgat ttg 293

<210> 47474
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038125H1

<400> 47474

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 catgcaagcc gtggcgcaact gccaccgcct cggcgtcgcg caccgagacg tgaaaccgga 120
 taacattctc ttcgatgagg agaatcggct caaattagcc gatttcggct cggctgacac 180
 ttttaaggag ggcgagccga tgagcggggt ggctgggcag ccgcattacg tggcgccgga 240
 agtcctcgcc ggaagggatt acaacgagaa ggtcgacgtg tggagcgccg g 291

<210> 47475
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038126H1

<400> 47475

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 gccagcgtct tggtcgtggt ctgggtcgtc aatttcaggg gtggcttggc ttgggattct 120
 gataacaagt ccctcatctt caacattcat ccagttctta ttgttattgg cttactagtt 180
 catgggggtg aagctattat aagttacaaa gcttttcccc taaagaagga agtgaagaaa 240
 ttgatacacc ttgttttcca tgccatcgca ttaatacttg gaatagttgg aa 292

<210> 47476
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038127H1

<400> 47476

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 tgccatggag catggtgttg gtataagctc aagccacgct tggcatctgc tggccacaag 120
 gtcacagtgc ttgaccttgc agcttctgga gccaacatga agaaaattga agatgttgac 180

actttttcac agtatactga gcctttgttg tttctattgg acacaattcc ctcaaatgaa 240
 aaggtagttc tagttgggtca cagctttgga gggctgaaca tagcacttgc 290

<210> 47477
 <211> 295
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038128H1

<400> 47477

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 aaatcctcgg tttcaacgtt caactgcgat ctctaaacaa aaccatggca tcactctcag 120
 gcatttgctc ctcttcccca actctcaaaa aattcccga ccaatcccca tcgttgaccg 180
 accctctcgg caaagaccac gtgtccttcc ccgcccgcgg cgccgatcgg actctcagcc 240
 tcgcgcccc cctctcgtgcg gtggctcgtg aggtttccga cggagcattg gcggc 295

<210> 47478
 <211> 305
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038101H1

<400> 47478

agaaaacaac accatttgat ccaacagaca cactccctct ctctcttgat cattctctct 60
 cagtgtcttc gatctccatc tgcaacttcc ttgtctgaca gatcctgtgt tccggagaaa 120
 ggaaaggaaa ggaaagatgt cggggcaaac gcagcgtctg aacgtgggtcc ccaccgtgac 180
 gatgctggga gtgggtgaagg cccgattggt cggcgccacg cgctgccacg cgctcctgaa 240
 gaagaagagc gacgcgtca cgggtgcagt ccgccagatc ctgaagcaga tcgtctccac 300
 aaaag 305

<210> 47479
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038068H1

<400> 47479

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 atatccaact acttgctcgt tggagtgggc tgatgcagag gatccacttt ttctactcta 120
 tacaagtggg agcacagaaa acctaagggt gtccctccata caactgggtg ttacatgggtg 180
 tacactgcaa caacatttaa gtatgcattt gactacaagc cgtctgacat ctactgggtg 240
 acagctgatt gtggttggtat tactgggcac 270

<210> 47480

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701038069H1

<400> 47480

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 aaatgtcact catctagcaa actccgcctt ctacaactct ctcttctgca tctccatttc 120
 acagaacaat aacaaatata ccacattctc cttctcgctt cgtccctcaa caactcttca 180
 cttcaatccc cacaggtccc tccctctaatt tcgcgcttcc aattcttcta tcaatgctgc 240
 ttcgaccact gaactggacg ctgtgtccgc 270

<210> 47481

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701038071H1

<400> 47481

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 aaaaaatgcc gtgcctcaac ctcagcacca acgtgtccct cgaaggcgctc gacacctctt 120
 ccacctcgc cgaagccact cctccgtcgc cagcataatc ggcaaaccgc aagcctatgt 180
 gatgattgta ctgaaaggat cagtacccat agcttttggg gggaaatgagc agccagcagc 240
 ttatggagaa ttggtttcca ttggtggtct taac 274

<210> 47482
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038072H1

<400> 47482

gcgaagacta gatctgatct gagagaatgg ctctcggtc tagcagcaag gacgccaag 60
 accttttccg cgctctttgg tctgcttatg ctgcaacccc cactaatctc aagatcattg 120
 atctctatgt catctatgcg tttcaccgc tttcatccag gttgtttaca tggctttggt 180
 tggatcattt ccatttaact ccttcctatc aggagtactt tcttgtgtag gaactgctgt 240
 tcttgctgtt tgtctcagga tccaagtga taa 273

<210> 47483
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038073H1

<400> 47483

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 cgacgatgaa gacaaccttc tgatccgtca agtggtgccg gacgcggagg accaccacct 120
 gctcaacgcg gacaccactc tccgccttca agacaaagtt cgccaagacc tacgccacgc 180
 aggaggagca cgaccaccgc ttccgtatct tcaagaacaa cttgctccgc gccaaagtgc 240
 accagaaatt ggacccctcc gccgtccacg g 271

<210> 47484
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038074H1

<400> 47484

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 gaacaattga agtgtctctc cgatttgagg attccggcga cagacagcga tgaccaccgg 120
 cggcgacggt gacacctcaa acaagagctc ttccacctta tcaaacgctt cggagcttgc 180

gtcactttca agatctccaa tctgtttctct ctctctctcc acggcctcga tatacgtct 240
atcggggcag ttgctggtct tgctgttgca 270

<210> 47485
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038075H1

<400> 47485

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agctccaggc ctcggattag gtgctaggta catgtttacc atggcagttg gtcgccttct 120
tcgtgccata acttttgatc tacaattctg ccatcagctc gcccttggtg tgctggttct 180
cggttcagag ttccgggata tcctcatcgt tgggctcaga aatattatgt tccctatgct 240
acagatcatg atgctatcag ccgggtgata 270

<210> 47486
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701038078H1

<400> 47486

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caacgatggc cgcggcactg gagctctagg tttttgaagg tggctagtgc agctgccgct 120
acagccgccg ttgccggcgt ttatatgcca ttctttcatc ctcaacctct gctagctctg 180
agatggaagt gccgtttggc agcgcacggc gtgagagcaa agaacgtgac gatgggtggct 240
ccgggtctca tcctcgcgag ggtgccacc 269

<210> 47487
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038079H1

<400> 47487

gtgatttcag tgagtgatcg gtgttcactt gatctcatca taatcgtcag cgtcaattga 60
 agaagatgcc gatcagaaac atcgccgctcg gaaggcctga agaggcgact caccgacaga 120
 cggtgaaggc ggctttggcg agttcatctc aaccttcate ttcgtgttcg ccggctcagg 180
 ctccggcatc gcttacaaca agctcaccga caacggcgct gccaccctg ccggcctcat 240
 ctccgcctcc atcgcccatg cattcgccct ctctg 275

<210> 47488
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038082H1

<400> 47488

caccaccac ccaccgccc cacattcaca ccacgcgccg ccgcttcaa tttccccgga 60
 gaccaccct ttgcatggca gtgagctttc tggcgcgcca tgtatcggac ctctgccttg 120
 ggaagccgcc gctgagtcgc tctccgccgc cgccaccgct gccgacgct tggccgcgct 180
 caagagctcc gaccacgaga cccacgtcag cttgtggagc ttctgcgaga acaagaacga 240
 gggtcgttgc gttgggaaac tgtgcatggt 270

<210> 47489
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038083H1

<400> 47489

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 cagtttctt ttctctgaaa aaacatgttg aggggtgcag ctagaaggct ctcttcttct 120
 ctctcatctt cttctcggtg cggcccaatc acgccccttc cgtttttctc tctcgaaacg 180
 acgtcgctgt cgatgaccgc agatctgctc cttcctccca tcccccttctt cccttcagag 240
 gttatgctac tgaatccctg atccacaca 269

<210> 47490
 <211> 269

<212> DNA
<213> Glycine max

<223> Clone ID: 701038084H1

<400> 47490

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gcaacattta taggtctctt agagtatggg agggctaata aatgggttgt gactgaaaaa 120
cttggtgact ctgtcataat aataagaata aatcaggaga tgctgccaag aagaataatg 180
ccatcaaggc ccccccaaa aagactcgat ccaaatttgt tgaaagactt aatttactgg 240
agttgggatt tgctgccttc ctcttcgta 269

<210> 47491
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701038085H1

<400> 47491

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aactaatcca gaaaatgagc agcggcgctg gaaaggttgt gtgtgtcacc ggcgcttccg 120
gttacattgc ttcttgata gtcaaattcc tcctcaatcg cggctacacc gttaaggcca 180
cegttcgga cacaagtgat ccgaaaaaaaa taaaccactt ggttggcctc gacggtgcta 240
aggagaggct gcacctctac aaggcgaa 268

<210> 47492
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038086H1

<400> 47492

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ctcggcttct tggacagagc agccaccgtc cacggcgacg tcccttccgt tgtttataac 120
aacaccacct tcacgtgtcc cagacgcgcc gccgatgcct ccagctggcc tccgccctct 180
cctcccttgg tatccgccgc ggcagcgtcg tctccgtcgt ggcccccaac atccccgcca 240

tgtacgagct ccacttcgcc gtccccctcg c

271

<210> 47493
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038087H1

<400> 47493

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gtcccaccgg ggagagcgtg aagcgtgacg gggtagcat cggagaagtt gtgatgaaag 120
gaggggtgtgt gatgttggtt acctaaaaga cccttcggga acagcaagtt gtttcaagaa 180
cggttgggtt tacaccggag atgttggtgt gatgcatgaa gatgggtact tggagatcaa 240
agataggtca aaggatgtta taatcagtgg 270

<210> 47494
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038089H1

<400> 47494

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tgtatttctg tctttggcat cgctgtggtg gctgaagatc catatagggtt cttcacctgg 120
aatgttacat acggagcatt tatccacttg gtgttcgcca acaggaata cttatcaacg 180
gtcaattccc aggtccagac attcattctg ttaccaacga caacctcatc atcaatgtct 240
tcaacagctt ggaccagcca tttctcctct 270

<210> 47495
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701038090H1

<400> 47495

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gcggtcacag agcctccgcc acgtgtccaa aaacgctcct tcagcatatc gttgttttgg 120
 gtctcttacc tgtcacgacc cattagcccc aatccatcat tcaaaacttc ctcccatctt 180
 gctgttttcc aaagaagatg ggcatcacia atcccaacta cagaggaaga cgacaagatt 240
 agcatcggac ctcgtagtgg aggaca 266

<210> 47496
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038091H1

<400> 47496
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 tgacaagtgc taactaagca ctttcttctt cttcttcttc atcccttcat cgccaaacac 120
 aatgaaggaa ttgggggtgg tgcaatcctc ttttcaatag agttcttgga cgttatcgtc 180
 tacactgtaa gcaaagcagc catgaagaag ggcatgaatg actttgtctt tgtcatgtac 240
 tccaatgcct tcgcaacttg cctctctct 269

<210> 47497
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038092H1

<400> 47497
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 cctgttatgt gaaaatcttg gattagaaaa agggacttg aaaaatgcat tttatggatc 120
 aagaggtcca aattttcgga caaaggtagc aaactaccct gcatgcccaa agccagagtt 180
 ggtgaagggt cttcgtgcac atacggatgc ggggtgggatt atccttctct tgcaagatga 240
 caaggtcagt ggccttcagc ttctcaaaaa t 271

<210> 47498
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038093H1

<400> 47498

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 ttatgagcaa tttgatccag attttatcaa cattaggaca aaggctcgtg aagttctgca 120
 aagggaagat gacctgatga aattgttcag cttgtgggca aggatgcttt agctgaagga 180
 gataagatca ccttagaaac tgcaaagctt ttgagagagg attatcttgc tcaaaatgcc 240
 ttacaccat atgacaaatt ctgcc 265

<210> 47499

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701038094H1

<400> 47499

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 gggaaattgt gtaagcttag acgcatctcc tgttatgcat gaccataatt ggattggcgt 120
 tgcgttttgt gcaatatcgt cgtaacctcat gaaacactct cagcaatgag tttttcagaa 180
 acagaatatc cattccattt gtttgggtgat attcgagtgg atttatatgg agatttagat 240
 ctagaacttg ttttagacaa atcagatca 269

<210> 47500

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701038096H1

<400> 47500

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 ctgcatttct ctactccttg tgcttgacac ttttgtcatt taaaatggaa ctttaatttta 120
 agtaccact tagcctttct ctgttacact gctcttacct gccctgtgta cctctcaaga 180
 ctcttttacg tgctccagag caacctatta tggtagccca gattgttatg gaaatccaag 240
 gggagcttgt ggctttggag aatatggaaa aacg 274

<210> 47501
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038067H1

<400> 47501

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 cgaatctaag agagccgatg ccaaacttgc tgtgaataag aagggcgccg ccaccaagac 120
 taggaaaccc gccgaaaagg gaaggcagcg aaagatccta acaagccaaa gaggcctcca 180
 agtgctttct tcgttttcat ggaggaattc aggaaggtgt tcaacaagga acatcccgac 240
 aacaaagcag tgtctgctgt gggcaaagct gct 273

<210> 47502
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038038H1

<400> 47502

gttgcatctc acacaccaac ttcccctaga agagagaaga gagaagagac tcttccttcc 60
 atcctgcaac tcaaatcatc atgcaagact ccagctcaat gaagatctcc cctctggatc 120
 tcatgtccgc catcttcaag ggaagctcga cccctccaac gtctcctcct ccaccaacgc 180
 cgccgcccgc gccgccttcc tcctcgagaa ccgcgacttc ctcatgctcc tcaccacctc 240
 cgtcgcccgc ctcatcggtc gcgtcgctgt cttca 275

<210> 47503
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038041H1

<400> 47503

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 agtggaagaa cttatacatt tcgagatttt gagaaaatgg ccaacaaggt atttgcacga 120

agatattgca gtgctggatg tctcctgccata cacttgga aaaagagttt tggcatgaaa 180
 ttggttgtgg aaaaatggaa actgttgaat atgcatgtga tgttgatggc agtgcctttt 240
 catcatctcc cactgaccag cttggttaaca gcaaattg 277

<210> 47504
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038042H1
 <400> 47504

ggcctcgcca ccagacccaaa gtgctggctt cgtatatatt ccatcagggtt cttcaggacg 60
 caattttcag gaagaaaccc atttgccaag tcgattccat gcttgggaaa gagagcactt 120
 gccttcattg gcgttaaacc atgttggttag agaatcaagt tggagagcat accaccagac 180
 tgccagtgtg tcagacccaa gtatcagatc cagcagcttt cgattaagac acgaatccga 240
 cagaatgcct tcacaaaatc ggtgatatac ttgtttt 277

<210> 47505
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038043H1
 <400> 47505

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 tcccaaattc tccctaaaca agtaacacca ataaacacaa gctttctctt ttcagctctt 120
 cgagggtttc aattctccat tgagatccct catctgggta cctttcaaatt ttgaggcacc 180
 ttcgatcctg tgggtccaagt ttgcagcttt gacttttttt ctcaacatgg gtgggagcga 240
 gactcgaagg gtgtggttat gggtcgtttg gttga 275

<210> 47506
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038044H1

<400> 47506

cataattagc atagttatta tggggagggg tgagtactcc ccattgtttg agacaagaag 60
 gtgcagagga aggttcacat acaggtcctt tgcaatctca ttatttgtga ccatatgctt 120
 tatatggcat tacagattta gcacataaca aagggtgaag atggaaactg ggcacacttt 180
 ggtatgcttg cttcagagct gtggtttggc ttttactggg tccttactca agcccttaga 240
 tggaaccttg tgttcagaca acccttcaaa aaca 274

<210> 47507

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701038045H1

<400> 47507

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 gggacgcac gccaccgtga cgggtggcgcc cgagaccttc gaggccggag cgtccattct 120
 ccatccaaag aacctgcaca catggattac gttaagatcc tgaagctgaa ggtcaaagag 180
 ccgaccgct cggaggattc cctctctctc ggcatttggg atgggaacaa gttcgttttc 240
 aaaacggtgt cgccgcttag ttccactgtt ccc 273

<210> 47508

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038046H1

<400> 47508

agctagctag ctcataatta caataatggg ttccctccct cacgtagtag aggactgcat 60
 gggcttcctc catctttata ggcacgggtc cattttccgt tccaacgaca tagaattcaa 120
 agtttcaccc attcaagaca atccataacc tataaagatt atctctttga caagagattc 180
 aacctttctc ttcgcttcta caagcccaa cacgtagcac ccatagacaa taacaagaag 240
 cttcctattg tgatgttctt tcacggtgga ggcttttg 278

<210> 47509
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038047H1

<400> 47509

tcataataac ttgtacattg agagcactac tacttggaga attatttacc taccaacttt 60
 tcaatttcaa agccaaaaat gtcaaccacc attgatgtcc ctgcagaaac gacaagcaag 120
 aataatattg gcaatggaat tagaaagttc caggtgcacc cccaaggcca gaaggagggt 180
 ggaagacagg gttagccata atagactttg ttctaagggtt aggtgctatt gcactctgctc 240
 ttggtgctgc tgccaccatg gcaacgagtg atgagaca 278

<210> 47510
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038048H1

<400> 47510

attcaagaat agctctaaga cgagacaaaa tacgatgggt gtgtgcttgc ttgttgccat 60
 cttggctctg acatcctctg ttgtctctgc ctatgaccct agtcctcttc aagatttttg 120
 tg 122

<210> 47511
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038049H1

<400> 47511

accaaattctc cgttgcttcc ttactctcca gcgcctactc atatcacaga tcatggataa 60
 ttcatagtac tactatttcg tacaagtatt cacgaaccat tccattccaa tttccattca 120
 gcagcaacca aatcaccatc tcttttgcac cattagtttt ttagttagat taccctcttc 180
 cgtttcacct tcctttcatg cttacgtcac caccactcac tctttttcta ccctaaacca 240
 ttgaatcgat ctaaattctct cccaaatcgc aa 272

09531113.032200

<210> 47512
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038051H1

<400> 47512

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aagcctactt caagaggtat caagtcaagt tcaagagaag aagagaggga aaaaccgatt 120
accgtgccag gattcgggta ttaatcagga caagaacaaa tataacaccc cgaaatatcg 180
ctttgttggt cgtttcagca acaaagacat tgttgcacaa ataatatctg ctagcattgc 240
tggcgatatt gttcttgctg cagcatatgc acat 274

<210> 47513
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038052H1

<400> 47513

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aaaagtttct catcatttct gtttcccata agcaattaat taaaatactg aatttggtat 120
aatttccttc tcaaatatat tagttttaca attattttat ttctttttcc ttggattgta 180
gccgggggtt cttggtgtga gagaaaaacc tttattctct gttttgggaa catctgggg 240
ctcaatttag tggaagttaa attttgaaac t 271

<210> 47514
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038053H1

<400> 47514

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tacaagtta gagcaagtgg tagggacagg tgcagatcca aaacctggac tcttcccctc 120

ttatcccagc atgaactcaa tacagctcca agtttgccat tggccacatg gcttccacct 180
 caagcttctg cacctgccct ccttggaataa ggagcaaggc aatggcgaag tggagattgg 240
 atgtgctcaa attgcaacaa tcataattat gctt 274

<210> 47515
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038054H1
 <400> 47515

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 acgtgttttc tctctagatt ctgctcttaa acgccgtcgt tttcaaactc tttttttccc 120
 cttcgcttct ctgtctttgt accgaaaggg gggaaaatat aattaacacc gatttcgcga 180
 ccaattcttc ttctgcgttg aattgggaca acgagaaatt ggatctcagt ttttggcagg 240
 aaataaaaat tgcatttgag tgtaaaataa cag 273

<210> 47516
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038055H1
 <400> 47516

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 caatcctccg ctccgactgt gtcgcctggg gatgctaaca tcaacaaaga tgggtgtattt 120
 caattgattc aagcacatca gaaaaagctg ctgacttcc accagttgag gaaattcgaa 180
 ctgtccttga tcgtagcgtg cgtgggatgc tctctacatt ctggaagaag ttcgatgggt 240
 atccatcagg gtctatgggt gactttgctt gtgat 275

<210> 47517
 <211> 85
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038056H1

<400> 47517

ggtcactgga cagagtgatc atgtgcgata tcgacaagga cgtgggtaat ttctgccggg 60

aatccctgat tgtacatcct gaggc 85

<210> 47518

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701038057H1

<400> 47518

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aatagagggtg ttttgcaaag ctcaccggtg caacaaatga tggccagaaa ccctaacaac 120

tggtggaaca tcaacaccat cgccctctc ctccttctca agcttctgca ctttcttct 180

ccactccttc caactttcta actccttata accccacttc tcttctctt ctttcttggc 240

atgacaacaa tcaagagcta cccgagtcac ggagc 275

<210> 47519

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701038058H1

<400> 47519

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cgacgatgga gacaaccttc tgatccgtca agtggtgccg gacgcggagg accaccacgt 120

gctcaacgcg gagcatcact actccgcctt caagacaaag ttcgacacga cctacgccac 180

gcacgaggag caccgaccacc gcttccggat cttcaagtac cacttgctcc gggccaagtc 240

gcgccagaca ttggacccct ccgtcgtcca cggcg 275

<210> 47520

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701038059H1

0953113-032200

<400> 47520

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ctcttactag gccacaatc ttttctcgat cttccaataa tatctctctc tttcgctctc 120
aatctcattt ccctgctgcg cattcggttc cttgacacgt tccaaccac acgtgcacgc 180
cgctgtcact tccgactcca aggccgctac ttcgcttgac ctaactcaac ccgatctcga 240
taatagcggc ggcggtgcca acggtaacgg 270

<210> 47521

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701038061H1

<400> 47521

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gtgagaatgg tctaagaagc cttgcatggc gagccaaaga attggagaca cgggtttgtc 120
tgagtcggga ccttcaagtc ccatgttcct tatggagtgc ttcatgggat tagtacttca 180
tcaggcctaa tcaatcaagg gtctgctttt gcttttgggg agttggaaga ggcaattgtt 240
ctgcaaggca ttaagataag aaatgat 267

<210> 47522

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701038063H1

<400> 47522

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ttctctccaa aaccacctcc gaatccgacg tctctgtcca ctcaaccttc gcttctcgat 120
atgtcagaac ttcgcttccc agtttaagat gccggaggag tcgataccaa aggcggcagc 180
gatatcacata ataaacgatg agttgatgtt ggatgggaac ccaagggtga acttggcatc 240
atgtgtgaca acctggatgg agccagagtg tgata 275

0953113.032200

<210> 47523
<211> 109
<212> DNA
<213> Glycine max

<223> Clone ID: 701038064H1

<400> 47523

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agattttatc aacattagga caaaggctcg tgaagttctg cacaaggga 109

<210> 47524
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038065H1

<400> 47524

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caggggtgata agaaggcttt gctcgtaggt attttgcctc agatgctgag ctgaaaaaga 180

cagtcgttta tgacttccat gttgctaata gagggaagat ggtgccattt gctggatgga 240

gcatgccaat tcaatataag gactcaatta tgg 273

<210> 47525
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038066H1

<400> 47525

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tgctgctgtc ttcatagcat tttggatccc tataattcaa gaagtattgg gtttgaagtt 120

attcacaagt gagaaattcc taagctctac aaatggagcc aagagtccat caaccaccct 180

gttgtcaaac aagtccttcc tcctagagat caactttttg ccttctacaa agcctgccat 240

gaaagtcttt ctgcttcaaa atagacttat tta 273

<210> 47526
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038037H1

<400> 47526

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tgctgcttgt gaccatatta agattggggt cttggaactc ctcagggcac ctgggtgtca 180
atgggagtat attctgatgg ttctacaat gttccagctg gactgatcta ttcattccct 240
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<210> 47527
<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: 701038006H1

<400> 47527

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gtactctc 128

<210> 47528
<211> 91
<212> DNA
<213> Glycine max

<223> Clone ID: 701038008H1

<400> 47528

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gaaaaacagt ttctaagtta aggccatcca g 91

<210> 47529
<211> 282
<212> DNA

<213> Glycine max
 <223> Clone ID: 701038009H1
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 cctctactac tcccagagaa cttccaagga ggccttctca ttactgaagc cactggcgctc 180
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<210> 47530
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038010H1
 <400> 47530

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 ctggatcact tttatcaact tcctttgcag gtagagtacg atccaactct atcaagaact 180
 tcgctaaaga tgtgaatgca atcgaagagg gaacaccaag gaaaccactg aataaggaag 240
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<210> 47531
 <211> 93
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038014H1
 <400> 47531

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<210> 47532
 <211> 283
 <212> DNA

<213> Glycine max
 <223> Clone ID: 701038015H1
 <400> 47532

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 gcactttggg acatgtcttt tctttacaga cgctatgaac tcgagggttct tgaagagcaa 180
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<210> 47533
 <211> 87
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038016H1
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<210> 47534
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038017H1
 <400> 47534

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 tatatagtga aatgaaatgc tattaagaat ttaagtccaa aataactaatg attggcctga 180
 caaaaggcag aataataagt gttgattgta acacaatgat ggcatgttca ttgctagata 240
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<210> 47535
 <211> 277
 <212> DNA

<213> Glycine max
 <223> Clone ID: 701038018H1
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 gtcgggaggg ctctcccaac ggagcagatc agcatccgaa gatctaccga atgaagctct 180
 gggccaccaa cgaggttcgc gccaaagtcta agttctggta ttttttgagg aagctgaaga 240
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<210> 47536
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038019H1
 <400> 47536

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 acctccgttc accgccgccc tcacgccgcc aacaccctca tctacctcgg cccctccttc 180
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<210> 47537
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 <213> Glycine max
 <223> Clone ID: 701038020H1
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 tttctgccat ccctgattat taagtgtgac ggtaaagtga aaatagagct atctataccg 180
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acaaaatggt agaaaagtgt aatcgtactt gatact

276

<210> 47538
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701038021H1

<400> 47538

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ggccgaaccg ggccggtggc accggttact ggaaggcaac cggggcggat aagcccattg 120
gtcagcccaa accggttggg attaaaaaag ctttggtggt ttacgcaggg aaagctccta 180
aaggggacaa aagcaattgg atcatgcacg agtatcgtct cgcagacgta gatcgctccg 240
ttcgcaaaaa gaacacccta agggatatata cactccgtac ttctttctag ttc 293

<210> 47539
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038022H1

<400> 47539

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tccatcagat cacaaagaaa ccctaaccct agccccaacc cttaccagac tcgccggcgg 180
aggctccacg acggcgaccg ctccggcatg gtggtgaaag gcccacgcgc gcacctcgtc 240
atgggcatg tcaagatcct caagagaggc gagacgtca 280

<210> 47540
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038023H1

<400> 47540

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cattttgtcc cttaggggtg tcgctttttt gccacagcat ctgctacact tggtatggca 180
ttcaacaaac aaaccaaagg catggtagtt gctaccattg gcaccaaccc agtaacaatt 240
actcttactg caatgtctca gcacactcca gcttttata 279

<210> 47541
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038024H1

<400> 47541

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tccctagcac aattgagaca cctagtcaag catgcctgag atctcatcat catcaccttc 180
ccctggcggc tctcttgcaa gagctgcaca aagttaccct cctggatttc ccagaacagg 240
tatttgcgga gggttatagg acatttctgt tagtgtttgt 280

<210> 47542
<211> 278
<212> DNA
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<223> Clone ID: 701038025H1

<400> 47542

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gaggattggc aattgaagat ccctctgcac cccatggcct tcgccttgat atagaggact 120
acccttatgc tggtgatgga cttgaatatg ggatgctatt aagacatggg ttcataaata 180
tgtctccttg tattacccaa cagatgcagc agttcaacaa gataactgaac tacaagcatg 240
gtggaaggaa gctgtggaga agggatcatg tgacttaa 278

<210> 47543
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<212> DNA
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<223> Clone ID: 701038026H1

<400> 47543

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ggcgtcctgg tgcgaacttc cagcacatgg accaactctt ctctcacctt tccactgatt 180
tccccaacgc ccgcttctta agggtcgagg ccgaagagca acccgagatt tctgaggctt 240
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<210> 47544

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701038027H1

<400> 47544

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aaggtgacat atgacctaaa caatattaga acttaatctg atcacaaggc agtttttttg 180
agctgatctg gatgggaacc ggtgaagaaa gcacagctaa agttcctaaa ccattcttcta 240
cttcttcaat tcagatacca ctggcacctt catatcc 277

<210> 47545

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038028H1

<400> 47545

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attttcgctt ctcgtagcat ttctggaaca ctcatggctt ccattgccgg atccagctgc 180
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caatggctctc caattctcac taatctccgt cctgtttc 278

<210> 47546
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038029H1

<400> 47546

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 gtgtctcctg ttcacgcgcc tctcagcgcg tgggcacgca caacggaagc tticattgcg 180
 acgaggccct eggctgcttc atgattcgcc tcacgaacaa attcaacagc gccgaaatcg 240
 ttcgctcccg agaccctcag gtgttgaggg ttctcgatgc 280

<210> 47547
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038031H1

<400> 47547

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 aatcgttgat gtataagaac ctcttaagtt atgtatttat aaataatttt gtgcttcgat 180
 ccttgaagac agaaaaaaaa actcatacag gtaatctcat cataatattt ttagtattcc 240
 tttgaaaaaa aatcaacagt tatataaact ccatgtataa t 281

<210> 47548
 <211> 92
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038032H1

<400> 47548

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 ctctcaatt ctaaactcgc cttccccatt ta 92

09531113 032200

<210> 47549
<211> 280
<212> DNA
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<223> Clone ID: 701038033H1

<400> 47549

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ggaggctcta tcaagagcat tgaatactgg aactgcccga gcccaaggcc gagaagccta 180
aagcagaccc tcccaaagct gagaagccca aggccgagcc cgagaaaaag aaggacggtg 240
gcggcgagaa gcccaaggcc gagccccgaga aaaagaagga 280

<210> 47550
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038034H1

<400> 47550

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tcacgtattg ggttcttctc tttccctctt cgtctccgat cgatccaatt ctcttcccat 180
ggctacgata ggacacaaca atctcaatgc caaattgggtt cttctcgggg acatgggtgc 240
tgggaaatcc agcctcgttt tgcgctttgt caa 273

<210> 47551
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038035H1

<400> 47551

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cactctcccc aagaagatgc tgaagctctc agaaaggctt ttgaaggatg gggaactgat 120

gagaacactg tcatagtaat ttgggtcata gaactgtgta tcagaggcag caaatcagaa 180
 gagtttatga ggaaatttac caggaggatc ttgtgaagcg cctagagtct gagatcaaag 240
 gagactttga gaaagccgtg taccgatgga tactg 275

<210> 47552
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038005H1

<400> 47552

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 gttcaggaag gcgcagtgcc ccattggtga gatgctcacc aactctctca tgatgcacgg 180
 tagaaacaat ggcaagacac tcttggtgt taggatcatc aagcatgcta tggagattat 240
 tcatttggtg actgaccaga accccattca gggtattggt gat 283

<210> 47553
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037971H1

<400> 47553

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 cagtttcttg gttgccttgg cggccacttt ctcctttcaa gggaacggtg aaaaccttgg 120
 tcgcaaaacc atggctgaag aagattcagc aagcaagacc cctcatttcc gtgggtaaca 180
 aggctgcctc tctatcttcc cccgtgacag caccagcgt cggcgttcgg tttcggtggtg 240
 acaatttggg gccgcaaccg gggtcgagga agagggtc 279

<210> 47554
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037972H1

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<400> 47554

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actacatcaa gaaggcgatt cagcgagcct tcgataatta ccatgccaaag tacattgaaa 180
ccagctcccc cgatcccatc ttccatgtct gctacggcgg catgatcttc tcctacctcg 240
ttgctctccc ccacgagcgc cgccacctcc agcacgccc 279

<210> 47555

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037973H1

<400> 47555

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aaaaagcacc ttggacctcc tcatcaaaga agtggagaag aaagtccatc aaaggctcga 120
gattagagag gacacaacga agatggtgaa gaaggctcca cggttgccgt tgatgaagta 180
aagggatagc acggagagag aaatggagga aatagagaag catgaaaaaa ggatggtggc 240
agcgatgcgt tactaggatc gacagacaaa gacaaatga 279

<210> 47556

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701037974H1

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tggtgaaaac attactgctt ctctttgtg tgaaactctt ctgttatgca gtgattggtg 180
ctctcaaac ttgtcctgct aacaatgagg ataatgcgg cgattcagat gaatggaaag 240
gggagttttt ccctgacatt cccaaaatta aatatgaggg 280

<210> 47557

<211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037975H1

 <400> 47557

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 cccccagcac ctttgtttga gcctgggtgag cttaaagtcac ggtccttcta cagagctgga 180
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 gtcaacaggt caccctccaa gtgtgcctct gttggcattc 280

<210> 47558
 <211> 283
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037976H1

 <400> 47558

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 cagcagcagc agcagttcac cgatggcccc acatcgatgc aactcaaagc catcctccac 180
 tacgcgacct ctcagattgt ccctcaacaa tctctttccg agattacaat aaccttcgac 240
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037978H1

 <400> 47559

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 cacacagca gaaagggtga aaatagtggg acttgattca ctggagggtg agaaagatgg 180

ctaacaacgc agctgcttgt gctgagagag caactagtga tatgctcatt ggtccagact 240
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037979H1

<400> 47560

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 ttacaagtt ttctgatgat taaacagtat tgattggcta tattattatg gtttattgat 180
 aacactgggt attcactaga aatgaaaaag aaaaagaata ctgtgatcaa tagtttaata 240
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<210> 47561
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037981H1

<400> 47561

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<210> 47562
 <211> 70
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037982H1

<400> 47562

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 gcgtctgact 70

<210> 47563
 <211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037983H1

 <400> 47563

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 ggtgatactc acttgggagg tgaagatttt gataacagaa tggatgaacca ttttgttcag 180
 gaattcaaga ggaagaacaa gaacgatatt agtggaaatg ccagagctct gaggaggttg 240
 agaacagcat gtgagcgggc aaagaggact c 271

<210> 47564
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037984H1

 <400> 47564

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 cgctactcac tcatcatcac tgagatcatg gtccttaata tcaccactgt caaaaccacc 180
 atcaccgacg ctcaagccaa ggtcgccacc gatcatggtc gtgcctacgt caccttcctc 240
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037985H1

 <400> 47565

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tgctgcttgt gaccatatta gagattgggt tcttgggaact cctcagggca cctgggtgtc 180
aatgggagta tattctgatg gttcctacaa tgttccagct ggactgatct attcattccc 240
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<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037986H1

<400> 47566

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ctctatttca agacctggat tttactttct tggagatgaa tcctttcact ttgggtcaatg 240
gaaagcctta tcctctggac atgagggggcg aacttga 277

<210> 47567
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701037987H1

<400> 47567

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atacgaggta ctacgaaatc ctcggcgtct cgaagaacgc ttcgcaggat gatctgaaga 180
aggcttaciaa gaaagccgcc atcaagaatc accctgacaa gggcggtgat cccgagaagt 240
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<223> Clone ID: 701037988H1

005413.03200

<400> 47568

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<210> 47569

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037990H1

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gccaccctcc tcgtggcggc ctccgtggtg gccattgttg ccggagtaca aaacaaaacc 180
aaaaactccg acaactccga caccaccagc acctccctct cctctccca ccaactcgac 240
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<210> 47570

<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 701037991H1

<400> 47570

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tctgcttcaa tg 72

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<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037992H1

<400> 47571

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 tgtgagtcac tgtttccaag tgacatctac acgaaggaag ccattatgtc ataagggctg 180
 gggatatatat atgtatgtga gacgtgagga tgatatacaa gaaaacacaa aagctttttc 240
 gtgttagtaa acgatgcgta ttcgtgttgt aagtt 275

<210> 47572
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037993H1

<400> 47572

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 acacgaaatg tgaagacttt cgtgactact accctctgcc tagttacacc tccaaaattc 180
 ctaagttcca aaagagcata aacaaatgca agatcaacat caacaccaca aaagatgggg 240
 tcatcatgcc tctctgtgtg cccaagttgg accccgatgc 280

<210> 47573
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037994H1

<400> 47573

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 cgaagatgtc aggcttcttc cagaccagct tttattctgg atacactttg atgttttctc 180
 ttggactagg aattctatgt ggagctgtgg gttttcttgg ttcaaatttg ttcgtgagga 240
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<210> 47574
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037996H1

<400> 47574

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gtttggccaa acactcccat tcccactgca ctgcgagagc ttctaaagcc tctccctgca   180
gtctgaatcg tgactcctaa gaattgatga taccagtacc aaacatctct aaagagactt   240
ctcagca                                           247
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<210> 47575

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 701038002H1

<400> 47575

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aatttaccac aaattagaaa tcgataaaga aaatgggtgag ggtgttgaga agctgcattc   180
aatcgatttt gaagctgggt aactcgggtg ttgggatgtc ggggctagcc atgattctgt   240
actccgcatg gatgattagg gtttggcaga ggaagatggg cgaactt                 287
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<210> 47576

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701038003H1

<400> 47576

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tttgctgctc tgggtgtctc gacatacaac ttcgaagagg attcggcaat tgaaaaatga   180
aagaaaatac gtcagttctc attgttcgtt gcaagttgag tatgtgtatc catgctattt   240
cggtattttg tatacacctc aggtagcaaa tcatactttt a                       281
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<223> Clone ID: 701037970H1

<400> 47577

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 acccatacca gacatcaagg aagaccaagt gctcatcaag gttgtggctg cagcgcttaa 180
 tcttcgagat tatatgaggg ctcttgggtt tttcaaggac actgatgcac ccttacctat 240
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<210> 47578
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037941H1

<400> 47578

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 ccctaatacca agcgctctt acctccaagt tttgtgattg aagctgcat ggaggaggag 180
 acctccgatg caatgaacct tgatttgaat ctgggccag gccagagcc cgaaactggg 240
 cccatgagca atgaagctgt gaacttggac gattggatag ggg 283

<210> 47579
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037942H1

<400> 47579

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 caaacactct gtaactcttt attttatttt ctttctttct ttctccgatc gcatagctcg 120

ctcgcaacca ccatgccttc ccgaagaaga actctcttga aggtcatcat tctcggtgac 180
 agtgggggtgg ggaagacatc tttgatgaac caatatgtga ataagaagtt tagtaatcag 240
 tacaaggcaa ccattggagc ggatttttta accaaagaag tgcaa 285

<210> 47580
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037943H1

<400> 47580

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 ccaagacgac ggcaaggact accaggagcc ggcgccggcg ccactggttg acccgacgga 180
 gtttacgtca tggtcctttt acagagcagg gatagcagag tttgtggcca cttttctgtt 240
 tctatacatc actgtcttaa ccgtcatggg agtcgccggg gcta 284

<210> 47581
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037945H1

<400> 47581

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 cggaccacct gttaagaagc aaagtgtctg agagttgcgt cttcaciaag atataagtga 180
 gctgaatcta ccaaaatcat gtaccatgca attccccaat ggcaaagatg atctgatgaa 240
 ctttgaagtt tcaattcgac ctgatgatgg atattactta ggtggcac 288

<210> 47582
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 <212> DNA
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<223> Clone ID: 701037946H1

<400> 47582

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<210> 47583

<211> 295

<212> DNA

<213> Glycine max

<223> Clone ID: 701037947H1

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gcgcttccgg tgacgccgac gacgcgatct tctacgagtc gttcgacgag gattttgatg 180

gacggtggat tgtatccgac aaggaggatt acaatggtgt ctggacgcat gccaaagagt 240

atgggcatga tgattatgga cttcttggtta gtgaacaagc caggcaatat gctat 295

<210> 47584

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701037949H1

<400> 47584

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tgaaagcttc aaatttgctg atgcaactga tctcatgtgg ctcaatatca gtgaaaaacc 120

atagttttgg ccttattcct tcctataagc ccagggtttc cagttcaaaa tttccttccc 180

cgctgttctc aacttctttt gtgttggggg agtttgattg cttagccgag aatccaaagc 240

tgatgagtct cagattggaa gacaaagaat attttagtgg aagc 284

<210> 47585

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701037950H1

<400> 47585

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 tcttcgctcg cggaagcatg tcctcgatcat catcaagcaa cgcctacgac gtgccatggg 120
 tagaaaagta ccgtcccagc aaggctcgccg acatcgctcg caacgaggac gccgtctcca 180
 ggctccaagt catcgctcgc gacggcaaca tgcccaatct cattttatcc ggtcctcccg 240
 gaaccggcaa aaccactagc attctcgccc tcgcgcacga gct 283

<210> 47586
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037952H1

<400> 47586
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 cattgcttca tggatcatca aactgcttct ccaacgtggt tacactgtca gggccactgt 120
 tcgcgaccca tctaaacccg aaaagggttga tcacttgctc aaacttgatg gtgcaaagga 180
 gaggtacat ctctttaagg cagatctgct ggaagaaggt tcctttgact ctgcttttga 240
 gggttgtgat ggtgtctttc atactgcttc acccgttcat tt 282

<210> 47587
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037953H1

<400> 47587
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 aggtgtcaag tatctccatg ataattggct tatccatagg gacttcatct catcaaacad 120
 cctgctgac catgatgggg agcttaaaat atgcgacttt gggttgtcaa ggcagtatgg 180
 aagcccgtg aagccatata ctctgttgt ggttacacta tcgtacagag cacctgtcct 240
 ttgctgggt gctaaagaat actcaactgc aattgacatg t 281

<210> 47588
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<213> Glycine max

<223> Clone ID: 701037954H1

<400> 47588

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 ttgacccttc tattgagatc gttcgaatct tgctctctcg cgggatcagc cctaaagtta 180
 gcaccttgaa ttctttgatt tctaggggtt gtaaaagtcg aggggtggat gaagggtatg 240
 caatttaccg cgagtttttt cggttggatg aggaaaacaa cg 282

<210> 47589

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701037955H1

<400> 47589

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 atcttcatca atatactcat cttgttcacc tcagctcact ccttccttca tcttcctgca 180
 gctcttctgc caaagggtccc aaaagaaaag catcattaga agtggtacac aaacatgggc 240
 catgctccca actgaataat catgatggca aagcaaagtc taca 284

<210> 47590

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701037956H1

<400> 47590

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 cctcagcctc aactcacac atacacacat ctgaacgcgt atcgtccctc ccatggcttc 180
 aaagcgcata ctcaaggagc tcaaggactt gcagaaagac ccaccaactt cttgcagcgc 240

tggtccagta gctgaggaca tggtccattg gcaagcaacg attat

285

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<211> 282
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<213> Glycine max

<223> Clone ID: 701037957H1

<400> 47591

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tgaggtgtgc cactggatct tcgagaatga cgtggcggtg accattgtga agtgagaaaa 180

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<210> 47592
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701037958H1

<400> 47592

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cactcttcca tcagattcac cctttcggtt aacgcaaact cataacttga aggttaatgg 180

ctgctccacc ggcaagggtc cgtgccgatt acgattatct cataaagctt ctcttgatcg 240

gtgacagcgg tggtgggaaa agttgcctcc ttctgcgttt etc 283

<210> 47593
<211> 117
<212> DNA
<213> Glycine max

<223> Clone ID: 701037959H1

<400> 47593

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aatcatgttc tcatttatac atttatgaaa tgtttctcat cattttgaac tactttt 117

<210> 47594
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<212> DNA
<213> Glycine max

<223> Clone ID: 701037960H1

<400> 47594

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tctcttgact atgcccgtac ccgtcttgcc aatgatgcta aggctgcaaa gaagggagga 180

gagagacagt tcaatggcct tggtgatgct tacaggaaga cattggcatc tgatggtggt 240

gctgggctct accgtggttt caacatctca tgtgttgga tc 282

<210> 47595
<211> 285
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<223> Clone ID: 701037961H1

<400> 47595

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gccgctaaga aaactacgaa gacccatgag agcatcaaca acaggctcgc tcttgtcatg 120

aagagtggca aattcaccct cggttacaag accgttctca aatctcttag gaactccaaa 180

gggaaattga ttatcattgc taacaactgc ccccttttga gaaagtcaga gattgaatac 240

tatgctatgt tggcaaagggt tggagttcat cattacaatg ggaac 285

<210> 47596
<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 701037962H1

<400> 47596

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gtgggcaccg ccgcgatggc ggtggccgcg tcc

93

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<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701037963H1

<400> 47597

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gggagaacat tgtgtaatga acattcatca aatcaaattg ctttaccaca atttggcctt 180
tactcaaattg tccgagtatg tgctgattgt ttcaacaact tgcggtctgg gaaggatgaa 240
ccacagcctt cttcagacgg agtaaacagt gtgacagata caatttcta 289

<210> 47598
<211> 127
<212> DNA
<213> Glycine max

<223> Clone ID: 701037965H1

<400> 47598

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gtccgag 127

<210> 47599
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037967H1

<400> 47599

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tgcctacgct caagattcag cagaagacta cgtgaatgca cacaatgcag cacgagcaga 180

ggtgggttct caatcaccaa gacaaacagt gattgttcca agtttggctt gggatgatac 240
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<210> 47600
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037968H1

<400> 47600

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 cggcgacggg caccaccgtt cggagcgccg cggaaccatc tcaacctcag ccacaaaaac 180
 catccccctc tctccctctc cctccacctt ccacatcacc aacctctcca caccctcccc 240
 caatccctaa cctaaccct aacctagcc caggcccagg c 281

<210> 47601
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037969H1

<400> 47601

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 attttcgta atattagaga ttctacgttc gcacgattat gaagatgatg ctatagcagc 120
 agcagtagaa ttcgttattg caaaagaaga agaaaatgga cgatagaggt agtcattcg 180
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<210> 47602
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 <212> DNA
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<223> Clone ID: 701037939H1

<400> 47602

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 cccacaaaat taagtcatca aattaaagca cccgatgatcc tcaatttgat ccttggtgctt 180
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<210> 47603
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 <213> Glycine max

<223> Clone ID: 701037910H1

<400> 47603

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 tgggtgccga tgccgtcggc gaacggcgga gaaggaggag gaccacctgc tgaacgcgga 180
 gaccacttcg cgagcttcaa ggcgaagttc gggaagaagt acgcgaccaa ggaggagcac 240
 gaccgtcgtc tcggcgtctt caagtccaac ctccgcagag cgaggctgc 289

<210> 47604
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037912H1

<400> 47604

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 tatcttgatca taggggtgaa tttgggagg agcttccttg tttcttgata tttgttcatt 180
 catttggttc tcttggttaa ttgctttatc aattgtgttg tgatcttttt agctgtacca 240
 caaaattcta tacctgtgtc ctccgtttcc ggaaaatgtt gaaagcaaat 290

<210> 47605
 <211> 131
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037913H1

<400> 47605

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<210> 47606

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701037914H1

<400> 47606

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 ccatgagtgc cgataagaag aaactgattg gcagattacg cctatttttc actaatgcaa 120
 aaccatacct cttaatgatt ggcttgcaat ttggcatggc tggaaattac atcttcggca 180
 aggatgttct taaccatggc atgagtcgtt ttgtgttcat tgtttaccga aatgctatgg 240
 ccaccattgc tcttgcccct atttgcttct ttattgaaag gcaaag 286

<210> 47607

<211> 301

<212> DNA

<213> Glycine max

<223> Clone ID: 701037915H1

<400> 47607

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 tgctgttcca gtgcgcacgg tttattgctt caaatccggt tctagaggaa acgaggatgc 180
 tgcacaagtt atcaaggaag ccttgctgaa aattcttgct ccttattacc ccatggctgg 240
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<210> 47608
 <211> 301
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037916H1

<400> 47608

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 aaaggaagca aaatcgctct caaatgggct attgacaatc ttctccgcaa cggtgacata 180
 ctctacatcg tccacatcaa gccttcgggc ggaagtgaat tccgaaatct tctctgggtcc 240
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 t 301

<210> 47609
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037918H1

<400> 47609

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 aagaaggcat catcagctat ggatgaagct gtgaaggctc acatgtcatt ctgccgcaag 120
 ttcaaatcca accctgcagt tagagttgct gaagggatga gacagatgct aaggagaagg 180
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<210> 47610
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037919H1

<400> 47610

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 aaattgcttg atagtgttat tgtgggtcga tgtgctgggg acaatgtggt tgggtggtggt 180
 gggggtgaca ttcttttgcc acaaaagcca accgcggatc aatgctaata tgtttatatg 240
 attgacatgt tttttcttct tcttcttctt cttttttata ttttgga 287

<210> 47611
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037920H1

<400> 47611

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 atacatgaga taatttatag aaattcttat acaataactt atccaaaaat ttgtttttaa 180
 ttatacata agttaaattt attttgtggt aaaaatttag tttatttatt ttcgtatata 240
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<210> 47612
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037921H1

<400> 47612

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 ctttcatcgg atgagagaga aaagcggagt gaattgatag gccttctttg tgggtgcatg 180
 caagtaatta ttcagaaact agggctcttg gattctacca aatatgtggt ggtgcagtat 240
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<210> 47613
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037923H1

<400> 47613

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 gatacaagtg ctgttatcaa tatacttgct catcgagatg ctacacagcg tgcctacatc 180
 cagcaagaat acaaagcaat gtattctgag gaactttcca agcgcttagc ttcggagctt 240
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<210> 47614

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 701037924H1

<400> 47614

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<210> 47615

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701037926H1

<400> 47615

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 ggccaggccg gtatccaggt tggaaacgcc tgctgggaac tctattgcct tgaacacggc 180
 attcagcccg atggacagat gccgagtgc aagaccgttg gcggaggaga cgacgccttc 240
 aacacatttt tcagcgagac cggcgccgga cagcacgtgc cccgcg 286

<210> 47616

<211> 290

<212> DNA

<213> Glycine max

002230.F1E560

<223> Clone ID: 701037927H1

<400> 47616

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acgatgaaga cgaccttctg atccgtcaag tgggtgccga tgcggaggac caccacctgc 180
tcaacgcgga gctccacttc tccgccttca agacaaagtt cggcaagacc tacgccacgc 240
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<210> 47617

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 701037928H1

<400> 47617

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attgtgttcc tgcaaaagat aattcaggga ttttggtgga tgctgtggct cagcatattg 180
tgaacctgca gactcctgcc acccccttct tctttaatac actgtatgat ccattctgta 240
agggtgcaga ttttggtcgt gggtacccat tcagcctgcg aagtggg 287

<210> 47618

<211> 293

<212> DNA

<213> Glycine max

<223> Clone ID: 701037929H1

<400> 47618

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gtttggccaa aactcccat tccaagttca ttgcgagatc ttctaaagcc tggccctgca 180
agtgttgaaa tcgatgatca ccctatgcaa attgaagaaa cacagtaccc gaaaaccttc 240
ttctataaag aagaccttca tccaggcaaa acaatgaaag tacaattcag caa 293

0053113 032200

<210> 47619
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 701037930H1

<400> 47619

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ataagcgacg caggggaagat gatgatgacg acgacgaaga agagcaacaa caacaacgaa 120
gctttgagat ggtggaccct tcaataggaa ctcaagagaa cgaagatcat gctgctccat 180
ccaatgatgg atcgaattct aacggaaatg gggctggaac cagtaccgg gataggtccg 240
ttcctatctt cgtttccgac cctgatgtcc ttgattgctg catttgctat ga 292

<210> 47620
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701037933H1

<400> 47620

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cataacagcg gtacagctga agactgctct tgctgtgggc aacctggaat ttccgctctc 120
agttgttcag caaatgatca ggatgtacga tttcgacagg aatggtacta tgagctttca 180
agaatttggt gcaactcaaca acttccttct taaggttcaa catgcatttt ctgatctaga 240
gaggggtcgt ggttttcttg tacctgatga tgtatttgag gctttgggaa aaa 293

<210> 47621
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701037934H1

<400> 47621

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aagtatgcct ggggtgcttg caagctcaag gctgagcgtg aaagaggaat caccattgat 120

attgctctgt ggaagtttga gaccacaaag tactactgca cagtcattga tgcccctgga 180
 catagggatt tcatcaagaa catgatcact ggaacatctc aagctgactg tgctgttctt 240
 attattgatt ccaccactgg tggttttgaa gctgggtattt ccaa 284

<210> 47622
 <211> 86
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037935H1
 <400> 47622

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 gtcttcaatt atcatgttag tagtat 86

<210> 47623
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037937H1
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 attgctaggg gagtgatgct gggctctgac cagcccgtga tcttccacat gcttgacatt 180
 cctccagcag cagagtcggt gaatgggggt aaaatggaat tgggtggatgc tgcattccct 240
 cttcttaaag gtgttggtgc tacaaccgat gtggttgagg 280

<210> 47624
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037938H1
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cttcaactta tcccacattc tccactctca atggcttcaa ctctcaaac tggcggaatt 180
 catacagggg caatcaatga tgattttatac aaggaattgt ggcatgcatg tgctgggtccc 240
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<210> 47625
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037909H1

<400> 47625

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 acatgctctt gagaagtgca ggagtgtgaa agagacacag aaagtattga accacaactt 120
 tttcaccaga aacctcaaga aagtgtaccc tattgggctt cagaaaagca cctcatcttt 180
 gtctctgtct tcaatttcat tgtctttgtc acaaaactca aatgactctt cacaggctga 240
 ttctttgact ccactggatg aaaagatttc gctggcactg cgtttgatat cg 292

<210> 47626
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037868H1

<400> 47626

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 aagttcagca ccaagagttt gagtccaaag ttttgtgtga tgatgggggtg gaattgaagg 120
 ggagtttggt tgttgatgct agtggattcg caagtaattt tgtagcatat gacaagggtga 180
 gacaccatgg ttttcagatt gctcatgggtg ttttggctga cgtggatgat cacccttttg 240
 atttgacaa gatggtttta atggact 267

<210> 47627
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037869H1

<400> 47627

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 tttttctcaa tgactagcgt tttagctttt gttggtaa at catactattg gtttcaatgt 180
 attgaattgt tcttaaaaaat taaaaagggt tatttttctt atgtatcccc tgcttcttca 240
 tatgaagcaa gtttacagga tactttt 267

<210> 47628

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701037872H1

<400> 47628

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 cagttacctc atgccttget gtttcagaac aagaggtcat tagttcta at gagaagatca 180
 agaaggaagc aacattaatt gtttctagtg tgccagatat agaaactact ccaagacttt 240
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<210> 47629

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701037873H1

<400> 47629

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 ttccagtttg tagccaacct cccagccttc catcaggtcc tagttttcct atgcatcaaa 180
 catgtgccgg ttccacatgt taaagctaag gaacggtttc tagttggctg tattgggtcca 240
 aaagagttca gaatctaccg gt 262

<210> 47630

<211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037874H1

<400> 47630

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 ctgataacaa gtccctcatt ttcaacattc atccagttct tattgttatt ggcttactag 180
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 aattgatata ccttgttttc ca 262

<210> 47631
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037875H1

<400> 47631

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 ctcgatgatg ggtcgggtcg gaacatgtca gtgcccatcg tgctggctat tgatgatgag 180
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<210> 47632
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037878H1

<400> 47632

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 acacaacat tctgtggaag ccatgagcaa aacttgcag ttgtctccct ttggatggaa 180

caaggaacaa ggaacaagga acaaggaaca gttatgcttt tctaagtagg gtttggctct 240
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<210> 47633
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<223> Clone ID: 701037879H1

<400> 47633

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 tggcctattg ttggtcattt gcacctcttc ggggctcatc aacttacaca caaaacacta 180
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<210> 47634
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037880H1

<400> 47634

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 ccaagaagga aatgcgaatt ctgatggtgg gtctcgatgc agctggtaag accaccatcc 180
 tgtacaagct caaacttggga gagatcggtta ccacaattcc caccattggg ttcaatgtgg 240
 agactgtgga atacaagaac attagtttca ctgtctg 277

<210> 47635
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 <212> DNA
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<223> Clone ID: 701037883H1

<400> 47635

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 gaatggcgtc gaaaccgaaa tcaaattggaa attccaaatg caacaaagga tacgctgaca 120
 gctatatgct gttgaatcct gaagacgctc atttcttcga tcttggtcat gtgctgtatt 180
 cccgtaactt gggaaaccga aaatttggtg acagcaatgc tgagggatct tatgagggaa 240
 gcttccgcc aagatggctt atatt 265

<210> 47636
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037884H1

<400> 47636

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 aacgagcttc aaaatgtgga acctccagaa atgtatggat tcgatatgca atgcatttat 180
 agagtaccac cagccattcg tgaaaataat cccaaagcct acacacctca aatgggtttca 240
 attggccctt ttcacaaagc acgtgacg 268

<210> 47637
 <211> 98
 <212> DNA
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<223> Clone ID: 701037885H1

<400> 47637

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 aacaccataa taccgaaaac tatacccggc aagaagaa 98

<210> 47638
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 <212> DNA
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<223> Clone ID: 701037886H1

<400> 47638

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 gaatgaaatt acttttgggtg acgaatctag agtgggaaga ggtggaatga ctgtcaaagt 180
 aaaagctgct gttcatgcag ctgatgccgg cattcctggt gttattacca gtgggttttgc 240
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<210> 47639
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 <212> DNA
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<223> Clone ID: 701037887H1

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 aaacctgaga acaacataaa aacatctggt tttaaatacac ccaagattga gctaggtcca 180
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 aagagtttca atgctgaatt g 261

<210> 47640
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037888H1

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 ctctgaagt acttttgaaa aaaggatatg ggatggaatg tgattggtgg tcaactgggag 240
 caataatgta tgacatgctg gttggt 266

<210> 47641
 <211> 257
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037889H1

<400> 47641

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aaggtgatcg cagagtacat atggatcggg ggatcaggaa tggacctgag gagcaaagca 180
aggactctcc caggaccagt tagcgaccct tcagagcttc ccaagtggaa ctatgatggt 240
tccagcacag gtcaagc 257

<210> 47642

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037891H1

<400> 47642

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ctcagtcagt agaggagctc acaaaaaactt gagacgtgcc gaacgtgccc gtataatggt 180
cagcagaatg ccagctttgg tagatttgct aataaaaaatg actaggagtt gggaagaaga 240
cagaaataaa gttttcttgt atga 264

<210> 47643

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701037892H1

<400> 47643

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tcggccaagg tcattcgaaa taagcaaact ggtcagctctg agggatatgg attcgtggag 180
ttctattcac gagcgacggc tgagaaagtc ttgcagaact ataatggcac gatgatgcc 240

002230.ET.FE50

aatacagatc aggcattccg tc

262

<210> 47644

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701037893H1

<400> 47644

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cgacatgatc gtgacggcgt cgcgcgacaa atccatcatt ctctggcacc tcaccaagga 180

ggacaagacc tacggtgtcc cccgccgccg cctcaccgga cattctcact tcgtccagga 240

cgtcgtcctc tcatccgacg gtcagtt 267

<210> 47645

<211> 82

<212> DNA

<213> Glycine max

<223> Clone ID: 701037894H1

<400> 47645

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ttgaacaggt ccaacaccct ac 82

<210> 47646

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701037901H1

<400> 47646

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tttttgactg ttcct 135

<210> 47647

002260 ETT E560

<211> 95
<212> DNA
<213> Glycine max

<223> Clone ID: 701037904H1

<400> 47647

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<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701037905H1

<400> 47648

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aaagcattga aatgggggaaa gggagaagtc ctgggaaatg gttcaagaat ttactcttgg 180
ggaagaaatc gtcttcaaag tctacttcat caaagaagaa tgacattttt aaaccttcaa 240
ttgacaagga tttgctggtg tcgtctgagg taccctgccc tgatcca 287

<210> 47649
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701037906H1

<400> 47649

caaaccaagg acgagaacac gatgttgctt gaacttgac ttgggtttatt ggttttggct 60
ctgtttctgc acttgcgctc cacaccact gcaaaacca aagcatttcg ccactctcca 120
aaccaccaa gcccaaagcc tcgtcttccc ttcataggac accttcatct cttaaaagac 180
aaatttctcc actacgcact catcgccctc tccaaaaaac atgggtccct attctctctc 240
tactttggct ccattgccaac cggttggtgcc tccacaccag aattgt 286

<210> 47650

<211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037867H1

<400> 47650

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 aactgagagg atgaaacgta ataatagtgt ttatcccgt gcacttaact gtgatgacat 120
 cctgcatgag atcctacttc gaataccacc accaactatc tccaaattaa ttatcgtatc 180
 acaaatatgg ctgctgtgta tatgcagtcc ttcatttcgt caatgctacg tgaggcaatg 240
 gggacaaaagt tttcgacttt tgggtttttt 270

<210> 47651
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037907H1

<400> 47651

ctcaattaca ggaattcgta gagatcgaaa atatgcagt caaccacgga gtttgtatgc 60
 aacaggggtg cacatgtcaa tggatctatc aggaaagaca acacacaaaa ctgaaggtag 120
 gatcaaatac ttccactatc atggaaccat ctgagacagg agagaaacat gtaaaatact 180
 cgtcaacaca acacaagtca cacagaacaa aattccttat gtgatggaca ccacaatgag 240
 ggacactgct ggggtaatca agacatttga gctcaagatg attg 284

<210> 47652
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037839H1

<400> 47652

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 gatcatggaa ttgaaattca cttcgaaatc gctgcagcgt caatcgcgta agtgcgagaa 120
 ggaggagaaa tcggagaagc tgaaggtgaa gaaggcgatc gagaaaggca acatggacgg 180

cgctcgaatc tacgcggaga acgcgatccg taagcgcacg gagcagatga actacctccg 240
 cctggcctcg cgcctcgacg ccgtggtcgc 270

<210> 47653
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037841H1
 <400> 47653

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 attcaacaat ttctgattca agttcaaagc catcgacgag tggtgaggaa gaataacaat 120
 gggaatgata gtggattttg aaaatgacca aaacgacgcc gttctgggtc cgtcccttaa 180
 ctctgcatg gttgaagact gcgttttccg atccagcttc cccaccctt ccaatttccc 240
 ctttctcaa accctaaacc ttcgtccc 268

<210> 47654
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037842H1
 <400> 47654

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 tcaatcatcc attcattatt catcatactc gtcggcgaag aaaatcacgc tgaagagttc 120
 ggacggcgag gctttcgagg tggaggaggc ggtggcgctg gagtcgcaga cgataaagca 180
 catgatcgag gacgactgcg ccgacagcgg catccctctg ccgaacgtga cgagcaagat 240
 cctggcgaag gttatcgagt actgcaa 267

<210> 47655
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037843H1
 <400> 47655

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 acttccttgt tgctatcttg gctttgacat ccaactgtgt ctctgcctat gaccctagtc 120
 ctctgcaaga tttttgtgtg gcggccaaag aaaaagatgg tgtatttgtg aatggaaaat 180
 tctgcaaaga tccaagctt gtgaaagctg aagatttctt caaacatgtg gaacctgcga 240
 atactgcgaa tccactaggt tcacaa 266

<210> 47656
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037844H1

<400> 47656

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 tttggcagag ttccatgcaa ctctgatttt cgtgttcgct ggtgttggtt cagccatcgc 180
 ttacaacgag cttacaaaag atgcagcctt ggatccaacg gcgctggtgg cagtagctgt 240
 ggcccatgca tttgcactgt ttgtagg 267

<210> 47657
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037845H1

<400> 47657

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 tgcagccatc atcactgctt atcaaggatt tgataaaatt gagttttctg ctggcaaadc 120
 tatacttggt ctaggaggtg ctggtggagt tggatccctt gttattcagc tcgccaagca 180
 cgtttttggc gcatctaagg ttgcagccac tgctagtact ccgaaacagg atttgttgag 240
 gagcttagga gcagacttgg ctattgatta 270

<210> 47658
 <211> 274
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037846H1

<400> 47658

cacacacaca cacaaattct caaacccaaa tcccaagtct cctaaaaccc taattcgcag 60
 tgaaaatgag agaaatcttg cacatccagg gagggcaatg cggtaaccag atcggagcga 120
 agttctggga ggtgatatgc gacgaccacg gcatcgacca caccggaaag tacagcggcg 180
 actccgagct ccaattggag cgcataatg tttattacaa tgaagccagc ggcggaaggt 240
 acgttccacg cgccgtcctc atggatctgg agcc 274

<210> 47659

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701037847H1

<400> 47659

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 ccgaatctaa gacagccgat gccaaacttg ctgtgaataa gaagggcgcc gccaccaaga 120
 ctaggaaacc cgccggaaag gggaaggcag cgaaagatcc taacaagcca aagaggcctc 180
 caagtgcttt ctctgctttc atggaggaat tcaggaaggt gttcaacaag gaacatcccg 240
 acaacaaagc agtgtctgct gtgggcaaag ctgctgga 278

<210> 47660

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037848H1

<400> 47660

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 agtggtgccc aatgggagcg gagaggtttt cccacgacca tgctcccttg attctgggtc 120
 tccagccatc cgccctggtc gacaacgttg ccaccgtcga ttggtccttg ctccatcgca 180
 ttccccgcga gcgcggtggc tccatccctg tccaaattga agaactggaa tccatactga 240

gagaggttaa atccaaatcc cacgatgaca tcaaaaactc

279

<210> 47661
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037849H1

<400> 47661

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aaggcagata tgcaagtcag ggataaaatt ttgatactcc tggactcttg gcaagacgca 120
tttgggggac caggtggtaa acatcctcag tactattggg catatgagga gttaaagcga 180
tctggagtag ttttcccaaa gcgttcacca gatgcagctc caatatttac tctcctcct 240
acccatccaa atttaagaaa tatgcaagct ggatatgg 278

<210> 47662
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037850H1

<400> 47662

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gtcagcacc gccccatcac caaccgaaa caccctcct cctgcggtg cacctgcacc 120
cgcaacaccc acaccacac ccgtccttc atctccaact ccaacaacag ctccatccca 180
ggccccaggc ccaaccacct cctccccctc cgcgccaggc ccatcaggcc cagcaccagg 240
cccatcaggc ccggtccag accaaccage ctccgagc 278

<210> 47663
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037852H1

<400> 47663

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gagaacaaga agagatgcaa tttcttgggt tctttggcat ctacaaagaa gcctccaaga 120
 tcatactttc atggaggaga atcttcaccc aaatcacctc aacactaate ctccctctct 180
 ccttcacatt cctcatccac atggaaatct ccaacctcct cttcaggaag attctcatca 240
 acgaaatagt catggacgaa acaaagccta a 271

<210> 47664
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037853H1

<400> 47664

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 tctctcattc ctctcaactac tcaccaccgc ccaatccgaa gaccagcgtc aaatccttct 120
 gaacctaaaa tccacctctc acaattcaaa ttccaaactc ttccactcat ggaacgccac 180
 caattccggt tgcaccttcc tcggagtcac ttgcaactcc ctcaattccg tcacggaaat 240
 aaacctctcc aaccaaactc tctccggtgt t 271

<210> 47665
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037854H1

<400> 47665

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 atcttcgtca agaccctcac cggaaagacc atcacccttg aggtggaaag ctctgacacc 120
 atcgacaacg tcaaggccaa gatccaggac aaggaaggaa ttcccccgga tcagcaacgt 180
 ctcatcttcg ccggaaagca gctcgaggac ggccgtaccc tcgccgacta caacatccag 240
 aaggagtcaa cccttcacct tgtccttcgt 270

<210> 47666
 <211> 268
 <212> DNA
 <213> Glycine max

002220.03.11.13.0550

<223> Clone ID: 701037856H1

<400> 47666

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ctagttgctg gggatgcgtt tatattttta aggggtgaga atggggaact tcgagttggt 120
gttaggcgtg caatgagaca acagggtaat gttccatcat cggttatctc aagccacagt 180
atgcatctcg gtgttcttgc aactgcttgg catgccatat tgactgggac catgttcact 240
gtgtattaca agcctaggac tagtcag 268

<210> 47667
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701037859H1

<400> 47667

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ccacaagtaa aatgtcaggt gaagaggggtg tcattgcagt tgagccagct gctgctgctg 120
ctgccatecc aggcgagcca atggatatca tgactgcctt acaacttggtg ctgagaaaat 180
ctctggctta tgggtggttg tcgctgggcc ttcataaggtg tgcaaaagtg attgagaagc 240
atgctgcaca actctgtgtt cttgc 265

<210> 47668
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701037860H1

<400> 47668

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ggcgcgctccg acgccgacga catcctgac cgtcaggtgg tgccagatgt tggcgaagcg 120
aagaggagga caacctgctg aaagccgagc accaatccgc gagcttcaag gccaaagtctg 180
ccaagaccta cgccaccaag gaggagcacg atcatcgctt cggcgctcttc aagtccaacc 240
tccgcagagc caggctgcac gccaa 265

<210> 47669
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037861H1

<400> 47669

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 gctccgccgc gcaaccacct ccctcatctc cggcgctcc cgccgccgcc tctccaccga 120
 cgtgccggcg acgccggggc ggattccgtc ttcgcggagg cgtggaagaa agtgagcccc 180
 aacatcgacc cgccgaagac gccgctggcg tacatgaagc cccgaccacc cactccttcg 240
 actctcccct ccaaactcac cgtcaact 268

<210> 47670
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037862H1

<400> 47670

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 ttcccaaac atttgaagaa ctttgatgtt taatgggtct gtaataatgt cccttgaaaa 120
 taagttcggg ttgtgttgaa ctcaattgtg tcccatat aatagtactc taatatccca 180
 cctacgtttg ttatgaatgt gtgaaatatg aaatgattaa ttgtcaaaaa aaaaaaaaaa 240
 aaaaaggggg ggccgccgat tattga 266

<210> 47671
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037863H1

<400> 47671

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 tacagtgggt gtgcttgac tgcttccact ctccctagat gcacaactag atccctcctt 120

ttacagagac acttgtccca gggttcactc cattgttctg gaagtcgtca ggaacgtttc 180
 aaagaaagat ccccgatatgc ttgctagtct cattagactt cactttcatg actgctttgt 240
 tcaaggatgt gatgcatcag ttttgttgaa caac 274

<210> 47672
 <211> 111
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037864H1
 <400> 47672

cgctgtagct atatgcgcaa atctaggaga acataggatt gtgttttgta gttgggttta 60
 atagttcaca ctaatctttt agatgagtga agagaacaca agagcattaa g 111

<210> 47673
 <211> 228
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037865H1
 <400> 47673

cccgatgccca gaagtactat gaagccggtg cccgttttgc caaatggcgt gctgtgctca 60
 agatcggccc aaacgaacca tccgagctgg ctatccatga aaatgcctac ggtcttgccc 120
 gatatgccgt catatgccag gagaatggtc tggtagctat tgtagagcca gagatcctgg 180
 tggatggacc tcatgacatc aacaagtgtg ctgaggtgac cgagcgcg 228

<210> 47674
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037866H1
 <400> 47674

aatggctggtt aggcttgatg atgctcacca agaactttca aatgctattg tggttgctca 60
 agacacatcc aaccagatgt ccaggcgtga tcctctgaga tgttacatgg atgtaattga 120
 tgatatgcta actcaaagg gaagatccat ccttcaaacc acaaggtggc cgattaggag 180

aaagcgacat tgattatgat actgacgaga agtcaatggc aacactaaga cgtcattctc 240
gaggagctac tgaggagtac tacaggtata aaa 273

<210> 47675
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037838H1

<400> 47675

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catcactgcg ccgcgctgcc acaccgaaca aacacaaaac tggatgactc caaactcaat 120
caattgaagc atttcatcga acagtgaag tccaaccctt ccttcctctc cgatccttca 180
ctctccttct tccgcgacta tctcgaaagt ctcggggcga aactccctga atctgcttat 240
tccgaatcga cgggcgtgga gagcgatgag g 271

<210> 47676
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037815H1

<400> 47676

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aaaatcaatc aaggctttga actatggcca ctcttcagag ttggagaaaa gcctacggtg 120
ccatcaaaga cactacaaaa gtcggtctcg ctcatgtcaa cagcgacttc gcggtatctc 180
aattctcaat cttattcgta ttcacggatt cgttttcata tgtgttccga aatatttctc 240
gtgcgagtga tcggtttctc gcgtggatta taatattat 279

<210> 47677
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037816H1

<400> 47677

0053113.032200

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atactataca aatggattct agccttacca ctaaagggga agggagactg ggaaacactg 120
taggcaaaag cattaagaat gctttagagg tgggtgtcgc tttgtctact gacaagattc 180
acaaatcaca atggaacact atagtatcat ttgattcatg taaacaatcc acctccacct 240
agtggggaaa agtttggctg ttgtctacca ttaccctgat g 281

<210> 47678
<211> 295
<212> DNA
<213> Glycine max

<223> Clone ID: 701037817H1

<400> 47678

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caggacctcc ttacaggtga tgagcttctc tctgactcct tccgttacaa ggaaattgag 120
aatggaatgc tgtgggaagt tgaggcgaag tgggttgta aaggagcagt tgatgtagac 180
attggtgcaa acccttctgc tgagggtgga ggagaagatg agggagttga tgatgcagct 240
gttaagggtg ttgacattgt tgacacattc agacttcagg agcaaccgcg attcg 295

<210> 47679
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037818H1

<400> 47679

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gacgtgggtg gtgctggtgc agcagacgat gagtatgctg ctctctcttc tgggtggaagt 120
ggtgctggcc ccaagattga ggaagtggac taaatgtagt tgctttcttc cagataacctg 180
ttttaaaaac ttattttact ttatgctttt ttaattggat tttaatcgca tgatttttct 240
tggatgggat tcaaactatt tttcccttct gatat 275

<210> 47680
<211> 262
<212> DNA

<213> Glycine max

<223> Clone ID: 701037819H1

<400> 47680

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 tatgttcgat cgtatgtgat tgtgcgactc gaggagttag aatctttgta ttttctgtt 180
 aaatatctac aatatatcat ataatatattt aattgtcttg aatttttttag aaacggaggc 240
 aagtgactga ataaaagggg gg 262

<210> 47681

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037820H1

<400> 47681

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 accaccactc gccgatggcc acgatcggag gcttacacga ctccaaggc tctcaaaaca 180
 gcgtcgaaac cgaagccctt gctcgattcg ccgtagacga acacaacaag aagcagaatt 240
 cgcttctgga gtttgctagg gtggttaggg c 271

<210> 47682

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037821H1

<400> 47682

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 aaaccaccca agccagggtt ggaggagtcc caggaacaga tccataagat aaggatcacc 120
 ctttcttcca agcacgtcaa aaacctcgag aaggtttgtg cggacttggg tcgtggtgca 180
 aaggacaagc gcctcagggt taagggacct gttaggatgc ccactaaggt tcttcacatc 240

actaccagga agtccccctg tggatgaaggt a

271

<210> 47683
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037822H1

<400> 47683

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cttggcactg aacattatct tccatcaaaa ataaaaattc agagcagaat aacaacaatt 120
caggaaaaca aaaaaactca gccacataat ttccttcaac tcatggcttg tactgagcat 180
ggccatggct ctgtgttggt ggggttggtg ttgttgaggt tagctgcttc acaaagttgt 240
tggttatggt tgagcacatt tgggtttgac 270

<210> 47684
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037823H1

<400> 47684

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cctcttcaag acctctgtgt cgcagacctt gcttcagcgg ttaaagtga tggattcaca 120
tgcaaagatg ctgccaaggt aaatgcgagt gatttcttct cagacatact agccaaacca 180
ggtgccacaa acaacaccta tggctcccta gtgactggag ccaacgttca gaacatccca 240
ggactcaaca cccttggcgt gtctttatca cg 272

<210> 47685
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701037824H1

<400> 47685

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ttagtgccctc cttgccagaa gttaaaatgg cncaagaaac tttcctattc acatctgaat 120
cagtgaacga ggggcaccct gacaagctct gtgaccagat ctccgatgct gtgctcgatg 180
catgcttggg gcaggaccct gacagcaagg ttgcctgtga aacctgcacc aagaccaaca 240
tggtgatggt tttcggagag atcacaac 268

<210> 47686
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037825H1

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tgaatttcga cgtggcgccg cagattaaga tggtgtggga agtcatcaag gcgccattga 120
tcgtgccact gctgaacctc gcagtgtaca tttccctagc gatggcactc atgctcttca 180
tgagaggggt gtacatgggc attgtcatca tctcgttaa gctcttctgg aagaagctcc 240
accagcgcta caagttcgag ccaactccaag 270

<210> 47687
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037826H1

<400> 47687
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atcgaacaaa acgcttacat aaaactcgtc cttcactccc tcaaacaccc aacctccgcc 120
gtcaacggcg tcttgatcgg tcgcatctcc gcttccaacg acgtcgtcga gatcgccgat 180
gccgtccctc tcttccactc tcacatcccc cttcttctcc aattggagat atctctcatc 240
atgatagagg aatatttttc tgctaaaggg 270

<210> 47688
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037827H1

<400> 47688

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ccaaaccctt cactctctca ctccaaacca ctcttctccc tcttctacgc agaacaacca 120
ctcattcccg atcgtaaca tttcctctcc gaccctctcg ccgcttcttc gttacctccg 180
ccaccactgc acctcctcaa tccgaggatt ccgacgtttc caccgtcatt cctccccgaca 240
atcgcatacc ggcaaccatc atcaccggct tt 272

<210> 47689

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701037828H1

<400> 47689

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tcccccaaat gggcgaacag aaggcaattg aagaagcagc cgccgaaggc ctcaagggca 180
tggaacacct cctctgtctc ctctcccatc aaccttccca cctccgcact caccacaccg 240
acgccaccgt ttccaacttc aaaaaactca tc 272

<210> 47690

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 701037829H1

<400> 47690

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gtggcaccgc atgccttata tgtataatta aatactactc aggaactgaa gcaatgaaag 120
tatagaatta attttgt 137

<210> 47691

<211> 274

<212> DNA
 <213> Glycine max

<223> Clone ID: 701037830H1

<400> 47691

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 gatattatcc caatttcaca aaccccaacc tcgctttctc tgtcatccaa ttcacaccgc 120
 catggatccc aaccccgga ccttccctct cctctcctac atcatgtcgc gcctcccttc 180
 cctcactccc agaccgccc caccggcacc ctccgattcc gaccaattcg acatcgaaca 240
 gccaccggag attgtgggcc aaatgccgca cctg 274

<210> 47692
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037831H1

<400> 47692

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 gaacgaagta gagtagtggt ctacgcaaaa tgtggcggtg catcgcacgt cgtctccgtg 120
 gacctgttc caccagatcc acctcccatc actcacttgg atctcaactt tctagattct 180
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 taggagctgg tggcgcgga ttgagagctg ctattgga 278

<210> 47693
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037832H1

<400> 47693

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 gtttttatca catgatcata gggtcatttt gcaatctcac tttttaaaac aaagtgttgt 180
 aattctaatt tttaatacct ttttattttt gaatatctta ttagacaccc tttcttctta 240

002220" E F T E S 6

cattctttat tattggaata tgttcaagtt tgctgtactc ggg

283

<210> 47694
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701037833H1

<400> 47694

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agacattctt cctcaagcac cattatctga gatgcattca cagcagaaca ttccagttcc 180
tacagatcaa ttttctcaac aacccttttc tgctcctaata ggccaaccag gacaagtaca 240
atcatccttt tcatctccct ccagtcaata tgcacaacca ccct 284

<210> 47695
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701037834H1

<400> 47695

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cccaacagtc ctttggtcaa ccaaaaccta ctactactcc gtctgttggt aacttggttc 180
catctgttat tgatctaacc ggactcggag ttccagaaga tggcaagaaa atgatcactg 240
actttatgtc aactatg 257

<210> 47696
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037835H1

<400> 47696

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002220.4.F.F.560

cataacagcg gtacagctga agactgctct tgctgtgggc aacctggaat ttccgctctc 120
agttgttcag caaatgatca ggatgtacga tttcgacagg aatggtacta tgagctttca 180
agaatttggt gcactcaaca acttccttct taagggtcaa catgcatttt ctgatctaga 240
gaggggtcgt gggtttcttg tacctgatga tgtat 275

<210> 47697
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037836H1

<400> 47697

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gactaccagg agccggcgcc ggcgccgctg gttgaccca cggagtttac gtcattggtc 180
ttttacagag cagggatagc agagtttctg gccacttttc tgtttctcta catcactgtc 240
ttaaccgtta tgggagtcgc cggggctaag t 271

<210> 47698
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037837H1

<400> 47698

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cgaaccgctg ccttaagaaa tgagcttgaa gagcctcgaa gttcagaggg ggatcaactt 120
ccaagactcc agagtctaca aagaatccta caaggcagtg ttgcagtaca agtgaatagt 180
ggagtcttga gtgtctgcac tgccttcttg tccggggagc ctgacgaccag gttacgatca 240
caggaactgc agcaacttat agctgccctt 270

<210> 47699
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037814H1

<400> 47699

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actggtcacc tgatttaca gcttggagggc attgacaagc gtgttattga gaggtttgag   180
aaggaagctg ctgagatgaa caagaggtct ttcaagtatg cctgggtgct ggacaaaactt  240
aaggctgagc gtgaaagagg aatcaccatt gata                                274

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<210> 47700

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701037784H1

<400> 47700

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gctcctatct cttctctgcg acgacgccgt ttctctccct tgaggccttt tattcaagca  120
tgaggagatag cgaaccggtg gtcactgaag catctgctgc tgaggcatat gcttcggctg   180
gttatgctga gactgggtca aatcctactc ccgacgcagg tgctgctggt gatcaatccg  240
ctggagaagc tgctcaggcc agctcaactt acg                                273

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<210> 47701

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037785H1

<400> 47701

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cgatctatgg ctgtcaaata cttctgcaca aggagcatgc tattccagtt cgtcactttg  120
ctaaagagtc tgcacctcct gcccttaagg gagatcagat gctgaagaac atttttgtgg   180
agggtgaagaa caaatttgag actgcatag gaatattaga gaaggagaag atcaccattg  240
accagaaga tccagctgct gtttctcatt atgca                                275

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<210> 47702
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037786H1

<400> 47702

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 aaaaatacac cttcacaag ttcacataaa cacaccgaa gagaaaaaga aataaagaga 180
 gagagagagt cgggtagggg tttgttcttt gttactcgtt tccttccaaa ttagggtttc 240
 cctttttgat tcaccaaact tctcccgatt cgaattcg 278

<210> 47703
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037787H1

<400> 47703

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 ctcatattaa ctgcaactgc aactacgaac tacgaacatc agggtagtga ttaagaaaaa 120
 ccctagcaat ggggaagaag cagcacagca aagacagaat gttcatcacc aaaacggagt 180
 gcgcaacgga gtggggaggc gctaaatcca aagaaaatcg cactcccttc aaacgtcttc 240
 ccttctattg ctgctcgctt acgtttacgc cgttt 275

<210> 47704
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037788H1

<400> 47704

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 accgttgctt tgtcgggtggg ctgcgttggc ccaactgacga ccaagctctc gagagagcct 120

tctctcagta cggcgaaatc gttgaaacga agattatcaa cgatcgtgag actggaagat 180
 ccagggggttt tggattttgtg accttcgcct cggagcagtc catgacagac gccatcgaac 240
 ggatgaacgg ccaaaacctt gacggccgta acatc 275

<210> 47705
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701037789H1

<400> 47705
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 gagcgaacaa gttccccgag agacagccaa ttgggacggc ggcgagagc caagacgacg 120
 gcaaggacta ccaggagccg gcgcgggcgc cgctggttga cccgacggag tttacgtcat 180
 ggtcgtttta cagagcaggg atagcagagt ttgtggccac ttttctgttt ctctacatca 240
 ctgtcttaac cgttatggga gtcgcggggc ta 272

<210> 47706
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037790H1

<400> 47706
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 tggattcggt accttcttct tgcaagaatg ttgagattaa taaggatcct aatgtatgtc 180
 aagcgatacc gagcctttgt ggcaacttta ttgactctca taccaagttt gatgccatac 240
 ctagggatca tattttgtac cttgtgtat 269

<210> 47707
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037791H1

<400> 47707

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tgtcaagttc ctacttgaac gtgggttacac tgtcagggcc actgatccaa acccaaata 120
tcacacgaag gtagaacatt tgctaaaact tgaaggtgca aaggagagac tgcacctttt 180
taaggcagat cttttgggtg aaaattcttt tgactccatt gttgagggct gtgatggcgt 240
ctttcatact gcttctcctt ttattat 267

<210> 47708

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701037792H1

<400> 47708

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gttctaattc ttcgcctatt ggggttctact cttttctctc ttcgtttccg atcgatccaa 180
ttttcttccc atggctacga tcggacacaa caatctcaat gccaaattgg ttcttctcgg 240
ggacatgggt gctgggaaat ccagcctc 268

<210> 47709

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701037794H1

<400> 47709

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tcatatcaca atgtgtggca tacttgctgt gcttgcttgc tctgattcat ctcaagccaa 120
aagggtccgc gtccttgagc tttctcgcag attgaagcac cgtggtcctg actggagtgg 180
gctccactct catggtgata actatttggc tcatcaacgg ttagccatag ttgatccagc 240
ttctgggtgat caaccctct tcaatgaa 268

0953113.032200

<210> 47710
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701037795H1

<400> 47710

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aagagatcag agattaaatc tgcaattgaa gagttgtcta tgctgggttat agtcaaacct 120
gaaggaaatc atgtcatgat tgctcacatc cccaccaagc ctttcctgtc tctatgtcac 180
ttggttctac aagttcttga taagataaga ccaacgatgg ccgttttgag acaagacg 238

<210> 47711
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701037801H1

<400> 47711

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gcttctgggt gtgctgaggt cctcaggcaa tacgaggagt tcgacaatga gaattaatta 120
cgtaattaat ttcagtaata ctgttattat taatctactt tcgatttggg ttttctaatt 180
tctatttaat tcaatcttga tgtggagtct tatctcgaca ttttcatatt atcatgttat 240
atatgttgat ggaccgaccc tgcttaatta tattattaca tcaagat 287

<210> 47712
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037802H1

<400> 47712

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agaatggcaa agagttactt caaacaagag catgatcttg agaacagaag agctgaggct 120
gctaggatta gagagaaata cccagaccgt atcccgtga ttgtggagaa ggcagaaaga 180

agtgatatcc caagtattga caagaagaag taccttgtcc ctgctgatct gacagttgga 240
 cagtttgtct atgttatccg caaaaggatt aaattaagtg ca 282

<210> 47713
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037803H1

<400> 47713

gattgctaga atggaatttc gatgctcagt catctctttt accattctct tctctcttgc 60
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 ttggccaaac actcccatc ccaactgcact gcgagagact ctaaagcctc tccctacagg 180
 tgttgaaatc gatgaactcc ctaagcaa at tgatgatata cagtacccaa aacattctt 240
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<210> 47714
 <211> 111
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037804H1

<400> 47714

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 attcgatcct cccttcgtag atctcaatcg aagccctcaa tttccacaca a 111

<210> 47715
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037805H1

<400> 47715

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 tcgccggcgg cctctactgg ttcgtctgtg ttctgggccc cgccgagcag aagggcaaac 120
 gcgccaccga tctatccggc ggctccatct ccgccgagaa agtccaagac aactacaagc 180

00220.E.F.560

cgtactggtc cttcttccgc cgcccccaagg agatcgagac cgccgacaaa gttcccgact 240
tcgtcgacac cttctacaat ctagtcaccg acatct 276

<210> 47716
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037806H1

<400> 47716

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ttttgaagtg ttgaggagtt gtaggatcat atcctacggt gggatatcat gcaggctaac 120
aattctccaa cggaacatgt ctcacggca tcaccgatcc ctgcagaata ttgtgtaac 180
agactagtca ctaatctctt tggttgacaa taattgtcat aataccagtg attgttgcac 240
agaaaatttg cccatgtatt tatacctcag caca 274

<210> 47717
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037808H1

<400> 47717

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cattgttggt atccttgaaa ctgatgacat caaggatctt aaacccttga atgatagagt 120
cctcataaag gttgctgaag ctgaggaaaa aacctctggc ggtttgttgc ttacagaggc 180
aaccaaggac aaaccttcga ttggaacagt gatagccgtt gggccggggc atctggacga 240
ggaaggcaac agaaaacctt tgtccgtgac t 271

<210> 47718
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701037809H1

<400> 47718

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 ttctgcactt tagagagacc accagacatg gctggcagta accaggtcaa tctcaatgaa 120
 tctaggagtg ttgttccgtt aaatacatgg gtgcttattt ccaatttcaa gctgtcttac 180
 aagctttctca gacgtgacga tggaacgttc aatcgtgagt tggcggagtt tctggatagg 240
 aaggtccccg cgaacgcaat tctgttgaa ggg 273

<210> 47719
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037810H1

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 ctgattccag caacaagcgg ctggtgctcg cactgtatga cgccctaaac tccggcgact 180
 ccgacgccgt cgtcaagatc gtcgccgccg acctcgagtg gtggttccat ggtccgcctt 240
 cacaccagtc tttgatgcgc atgctcaccg 270

<210> 47720
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037811H1

<400> 47720
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 tcctttgctc tctccctaga acggtgacca cgatccttga gtttgtccct ctcagcttcc 180
 tctcgttcac gctttgtcag aatcccttct acgatctcta tctctggatt ttgttctgtc 240
 cctgtcacga tctctatctc attcccaatc c 271

<210> 47721
 <211> 271
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037812H1

<400> 47721

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 gggttgcaag gtcaagagat gcgaatcaag ggggcatgac ccttggaac agtcacagcc 120
 attcagaata attgtgtcca ttagatgtaa tataaataga agtaaaccag aatgggaaag 180
 aactctgga attaggaaga atctgaattg tggagagaca ggctctcgaa aacctgtgta 240
 ataaaatatt tcaaattatt tataaaaatt t 271

<210> 47722

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701037813H1

<400> 47722

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 ttttttttgg aaagatcact cagttaattc ttcattgtaa gtagagtaca aaatttctaa 180
 ttaaacatta gatattttta atctgtaata aaaattcagc tattaagaac aatctgggtg 240
 tgtacttc 248

<210> 47723

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037783H1

<400> 47723

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 ggtgaatact ccccgaagga ttaccatgac ccacctccgg cgccgttgat cgacctcagat 120
 gagtcacta agtggtcctt gtacagagcc gccatagctg agttcatagc aacactcctt 180
 ttcctttaca tcaccgtgtt gaccattatt ggctacaaga gacagagtga caccaagatc 240

cccggtaaca ccgagtgcga cggcggttggc atttt

275

<210> 47724
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701037757H1

<400> 47724

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tgcttgttct gtcattgtgag tgacgctggt tctttccatt caactggctg acggatcgcg 180
ataatcatcg tgtgcttaga gaactagact ctagtatcta gttctctaag cacaccatca 240
ttatcaccat ccatcaccca gt 262

<210> 47725
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037758H1

<400> 47725

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tctcactcct cgggtgtcctt ctttaaccac ttccactcct ccgcatgccc cttcttcttc 120
ctcccttccc cttctctgga taaggaaaga cggagcaaag cgtaagaacg gcaggatgag 180
taaaaaacaa agagagcaaa atcactttgt cctggtgcat ggtataggcc atggtgcctg 240
gtgttggtac aagcttaagc cactgttgga atccgccg 279

<210> 47726
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037759H1

<400> 47726

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 ctgtaccggg gcgtgaggca gaggcattgg gggaagtggg tggcggagat aaggctaccg 180
 aagaaccgaa ccaggttttg gctcgggaacc ttcgacacag ccgaggaagc cgctttggct 240
 tacgacaaaag ccgcgtacac gctccgaggc ga 272

<210> 47727
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037761H1

<400> 47727

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 ccggtacgca ctcatcgaca tgcacagttg cagccttgaa gctaaaatta aaatgaacct 180
 agacgctcaa gttgtggaac aggctgctga agctaagaag ccagagagga agaagcccaa 240
 atctaaagag cctatggcaa aaaaggctaa agt 273

<210> 47728
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037762H1

<400> 47728

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 atggcgaata cggggaattt agacgcggcg atagagcaat tgctgaacgt ggagaagcag 120
 atgaggctcg ccggtgacgt ggcgggtacc agaaaagcag ccaccgatat tttgcagctc 180
 tgcttcgatg cacgagcctg gaaaacactc aatgaccaga ttgtcgtttt gtcaaaacga 240
 cgtggccagc tcaagcaggc tgtaacagct 270

<210> 47729
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037763H1

<400> 47729

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 ttttgaatca tcagccaagt ctagtcaatc tccccctgct gaaggcgaca agcacaagca 120
 tttggacagg gaaattaggg agatgggtatc tgccatcact caccgtgtaa ctgattttca 180
 caaagctggc tccaccacc atttgagaa agagcatgaa gatgacacga ggatcattac 240
 cctcacagga accaatgatg gagcaacact gc 272

<210> 47730

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037764H1

<400> 47730

cgaaagtcgc ggctttgaac ttttctacga cgacggcacc ggttccggcc tccgaccct 60
 gccaccaagc atgtcagagt ttcttctcgg atctggcttc gataggcctt tggaacaact 120
 ctctcagatt gagatcaacg gtattggaag gtacgagcac cctcctgctt caaaagcagc 180
 cattgattca ttaccaacca tcgaaatcga tgacacccat ttagccatgg aatcacactg 240
 cgcggtctgc aaggaagctt ttgaaacaag c 271

<210> 47731

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701037766H1

<400> 47731

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 tcatccgcaa gaaaaaatg gcatctcaca tcgttgata cccccgtatt ggtcccaata 120
 gagagctcaa gttcgctctc gagtctatct gggatggcaa gagtactgcg acgatttgca 180
 caaggtgtct tctgatctca cggcatccat ctggactcag atggctcatc gtgggatcat 240
 gtacatcccc agcaacactt tctctcacta 270

<210> 47732
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037767H1

<400> 47732

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 ttcccttcac tctcacaatg cgaatcctcg tctgctctc tctcgccacc cttctcctct 120
 tctctccttt ctctcccacc ttctgcgacc acctcgccga cgacgaggac ctcagcttcc 180
 tcgacgagcc ctccgcccgg cgggagcacg accaccacta cggcgccgat gactccaatt 240
 tcggcgactt tgaggacttc gaggacgacg acgc 274

<210> 47733
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037769H1

<400> 47733

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 cggcgatggt tgtattacta ctaaggaact tgggactgtg atgcggtcac tagggcaaaa 180
 cccaactgag gcagaactgc aggatatgat taatgaggtt gatgctgatg gcaatggaac 240
 catcgacttc ccagagttcc tcaacctgat ggctcga 277

<210> 47734
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037770H1

<400> 47734

ggcgccgtg ctaaaatcat ggccaccaca gccaccgaac ctctcccttc ctccgctgaa 60
 atgcctctg ccccgctcc tccgaagcaa ccgcccgaac cgggtggcggc ggcgtcagca 120

gtgaagcctg aggctccatt gtccgattcg aaagcttcgg cggaggcgaa cgtaatagtg 180
 gtcccagact actctcgttg gttctcgtgg gattcgattg acgaatgcga ggtgcgtcac 240
 ctccccgagt tcttcgaatc ggcgtcgaag agcccta 277

<210> 47735
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037771H1

<400> 47735

gcacatttgc agagctacat tcagacacat tatgcggctc ctaggatggg gatagctgca 60
 tctggagctg tcaagcatga agacattgtt gaacaagtga aaaagttgtt taccaagttg 120
 tcaacggatc ccaactaccac atctcaatca gttgctaaag agccagctat ttttactggg 180
 tctgaggtta gaatgcttga tgatgatatt cccctagcac aatatgctgt ggcttttgaa 240
 ggggcatctt ggaaggatcc cgattcgatt cctct 275

<210> 47736
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037772H1

<400> 47736

agccaagcaa gaagtgtgta tttgaacaaa agtttaattt ttttttagcc aaaacacttt 60
 ttaactctta ttttgaagca aaagaaacac acaataaaga gagaaatatt gcagtgatat 120
 ttttctgggg gttgagaaag agaacagaag aaaagacaga aagctcaacg tcagagttag 180
 ccgtataagg ttcgcttatt gtgtgtttgt ggttttggac tagctgaggt ttgtcctttg 240
 gatcccagaa acctttccag catttgaaaa accaa 275

<210> 47737
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037773H1

<400> 47737

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attgcctaag ttcaccaaatt ggcaagccaa gctagtgaat ggatcatttg attttattgg 120
cttaaactat tactcctctg gttatattaa tgggtgccct ccaagcaacg acaaacccaa 180
ttttctaaca gattctcgca ccaacacttc atttgaacgc aatggaagac ccctaggtct 240
aagggccgct tcagtttgga tatactttta tccaa 275

<210> 47738

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037774H1

<400> 47738

cggggtcaga gtgagaaaga gaaagagaga attcgtaaac cctaatttcg gaaagatcgg 60
cgatgactgc ctccaaggat cgcgagaact tcgtctacat cgccaaactc gccgagcagg 120
ccgagcgta cgaagagatg gtggaatcaa tgaagaacgt tgcgaaatctc gacgttgaac 180
tgacggtgga ggagcggaat ttgctttctg ttgggtacaa gaatgtgatt ggtgctcgca 240
aacgtccctg gaggatcctg tcttccattg a 271

<210> 47739

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701037775H1

<400> 47739

cccacacaca cggctcgtgc gagaaccagg tccgtagttc ttaggggtgag aatcctcatg 60
gattgatcag gaaatatggg cttatgtgtt gcaggcagtg cttccgaagc aatgccaagg 120
aaattggctt catcaagtat cggtgaaaga ttagttttcc acctgccccca cccggttttg 180
attcttgcac caggctatga tgacgtgggg atgattttac tgtgtgaaga acttaaaatt 240
ttttgtgaca tttagcaaag ttaattatca aa 272

<210> 47740

<211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037776H1

 <400> 47740

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 cgtcaacgcc ggcgacgtca agttccgagc ctccgtaacg gaagccactt tcattaacgg 120
 tcccagcttc accggctatc gcgctcgacg tcgagaaacc cggttccttc atcgctcgact 180
 acaacgttcc caaaaaggac tttcggtttc agtttatgaa cacggttagg gttcggggaga 240
 cgccgttgaa tttgacctac gcgcacagca gg 272

<210> 47741
 <211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037777H1

 <400> 47741

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 ctcgactcca attcagagac tgtcggactt ggaggtacaa aagcaaagaa agtgaaagtg 120
 ctgaaggag attccgttcc tggttgaacg gaagtgagag cgaacgtggg agcttcccag 180
 aacaaaattc ttgctgacat aagcaacttt ccccaacaac caaagcaaca catctctgtt 240
 gaccaccttc tcaaggaaaa ggaaattttg at 272

<210> 47742
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037778H1

 <400> 47742

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 gctgttcctt ctctacgaat ccgcttcggg ctacaccctg ttcgacgttc acggcctcga 120
 cgaaatcggc cagaacaccg aagcggttcg gaactccgtt tcggacctca acaggttcgg 180

caaagtcgtt aagcttgcgt ccttcaaccc ttccacttcc gctctcgatg ctctcaaaca 240
gtgcaacgcc gtctctgaag gcatattaa 269

<210> 47743
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701037779H1

<400> 47743

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taccatcggt agcatcaagg cccgccagat ctccgacagt cgtggcaatc caactgtcga 120
gggtggatttg acttgcctcg atggctacttt tgccagagct gctgttccaa gtgggtgcac 180
cactgggatt tatgaggccc ttgaattgag agatggagga tctgactacc ttgganaggg 240
tgtatcaaag gctgttgaca atgtga 266

<210> 47744
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037780H1

<400> 47744

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cgagtcgagc atgaagggat accctcatcc ttccatcagc agcaaagggg ctttcgaatg 120
gaccatcaac aagatcggtc gcaacaacgt ctctgccttc aaccttcttt ttcttcacgt 180
tcaagtcccc gatgaagatg gttttaatga catggatagt atctacgcat cgctgacga 240
ttttaagaac atgaatcaga gagatagaat t 271

<210> 47745
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037781H1

<400> 47745

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 tgacacggct tctgtcttat tagaagctat tggctatata agattccttc agagtcaa 120
 tgaggccctt agcttaccat acttgggcag tggatcagga tacatgagac agcaacaatc 180
 cgtaagacat aataccaacc caccatttct ggttcaagga gagaacaatt gtatattccc 240
 tgaagacacc tgtcagttgc tgaatgaaaa ct 272

<210> 47746
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037756H1

<400> 47746

ctcaaattag tatttggttt ctgcgaaatt gcaaaagcaa aacaacatcc atcttcttct 60
 gcaaaataat tctagtaatc cataatttgt tgccgttctt ccttcgtaca atgtcagcac 120
 tactctagca ttcccaactc taaaaacaca tcatcatctt tttgcttttt tcttcttctc 180
 actaactcag acaactacca tggcctcaaa atccagaccc aatctatctg aaaattccaa 240
 caaaggatca attgcaactc ctagagtcag taaaact 277

<210> 47747
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037731H1

<400> 47747

gccaaaggacg aaacaagccg aagatgagcg aactcgagaa ttcagaaata tgaaaaagaa 60
 gagaagtaaa actgaactcg ataatctcgt tgaactcagg acaaattgaa tacttaattt 120
 ctcttctctc tagaaacgta tagacgaaac aatttctatg actatttctg cttctgcttc 180
 agatgcaacc ttttagtttt tgcagttgcc acttcatgtc ttcattccctt cttctaattc 240
 tccgatctcc gatgtttccc ttcccaagaa gac 273

<210> 47748
 <211> 276

0953113.032200

<212> DNA
<213> Glycine max

<223> Clone ID: 701037732H1

<400> 47748

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tgcttctcta tttcatgagg gctttctaga tgaccaatth aaccagcttc agcaacttca 120
agatgaaagt aaccagatt ttgtggttga agtgggtgact ctcttttttg aagacgcgga 180
taggcttctt aatgagctca caaaagcact aggccagcca agcattgatt ttaaaagggt 240
ggatgctcat gttcaccagt tgaagggtag cagctc 276

<210> 47749
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037734H1

<400> 47749

gccctggaac tggtcagagt ttccaacaaa ggttgctgta cagttgaatg atacacaccc 60
aacacttgca ataccagagt tgatgcgatt actaatggat gatgaagggc ttggatggga 120
tgaagcatgg gatgtgacat caaagactat tgcgtacact aatcatactg tcctccctga 180
agcactggag aaatggtctc aacctgtaat gtggaaacta cttccacgcc atatggacat 240
catacaagac atagacaaga gattcactgc aatgataaa 279

<210> 47750
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701037735H1

<400> 47750

gccccatatt acaaaccaca ttataaaaag actaccacgt attcttctct ctacgtctct 60
ctctctctct ctctctctac acagtgacaa tggcggatcc aatcggaag gatctgatcg 120
cgtttgcgct cttagcctcc ctcttgctgt gttcacatgc ttgctgagac gttccctaca 180
tcgttgctca aaagataggc tccctcaaca gactcaagta ctacgccgaa aggtgactcg 240

aacatagccg acatcttcag a

261

<210> 47751
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037736H1

<400> 47751

gttcttccat ttgactcttg ttctgaacga cttttcaaga gaatcaaacc atggcagtga 60
aagtatacgg tcaccactgt gttccacca agcgggtgct ggtttgtctg gttgagcagg 120
aagtcgaatt tgaagttgtc cctgttgatg tcactaacgg ggaccagaag gatcctgagt 180
acctcaaact acagccattt ggagttgttc ctgtcatcaa agatggagac tatacctcat 240
atgaatctcg agctataatg aggtattatg caga 274

<210> 47752
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037737H1

<400> 47752

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tctggcagtt gttgccagcg tcttggtcgt ggtctgggtc gtcaatttca ggggtggctt 120
ggcttgggat tctgataaca agtccctcat cttcaacatt catccagtgc ttattgttat 180
tggcttacta gttcatgggg gtgaagctat tataagttac aaagctcttt cccctaaaga 240
aggaagtgaa gaaattgata caccttgttt tccatgcc 278

<210> 47753
<211> 132
<212> DNA
<213> Glycine max

<223> Clone ID: 701037738H1

<400> 47753

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0953113.032200

gaaattatcc gaagcagagg ttttgagcac agccgacgcg atcgtaattg acctcgtgag 120
cgatgacaca ta 132

<210> 47754
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037739H1

<400> 47754

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caccaacacc aactttgacc tcgacgcaa ccacgccaac catgctgcca tacctccaag 120
gccgcgtggt cactcgctc cagcagttcg tgctgctccc agaggcagcg cagcgcgaga 180
tcctcgacct cgaagtctac ctgaccaacc accagaccgt catcttcagt cagcaccacg 240
tgaagctcgt caagagcgtg cgtcgcgtcc gcgtcaaag 279

<210> 47755
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701037740H1

<400> 47755

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acatcaacac tgacgtcatt ggacatgctc gactctggtg aagtcgacta tcactggtca 120
tttgatctac aagctttgag gtattgacaa gcgtgtgatt gagaggttcg agaagtaggc 180
tgctgagatg aacgagagcg tcattcaagt atgcctgggc tgctgacaag ctcgaggctg 240
agcgcgacac aggaattacc attgatattg ctttgt 276

<210> 47756
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701037742H1

<400> 47756

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tgagaaggct tatagtgtct ctttttatcc ttgcatggaa attctgtatg agtgctacga 180
ggatgtagcc agtggttagtg agattcgcag tggtgttttg gctgggcgtc gcttttatga 240
gaaagagggt ctacctgtct ttcccatggg taa 273

<210> 47757
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701037743H1

<400> 47757

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cccaaatac gagtccattg agtttgattt tgtggatgaa aagcatagat agggcttttg 120
caaaactctc caatgtttct tgaaattata tgaccatgag tcgaattcgt atgctgcact 180
ccttctccgt cgtgttcctc tactggttct acgttttctc atgaactccc tcttaaatcc 240
gtgattaatt agatctatc 259

<210> 47758
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037744H1

<400> 47758

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acaacagcag cggctcttcc tctgtctccg ccaagggtgc cgccgttatc gccgccaaga 120
agcgccgcaa cgccggtaaa cgccgcatgt gccaggggat gtgctttagt ctacctactc 180
tgatgatcc cttcaatgat cgagggtggga aagaggaaac caaaacaaag ggtcctaaaa 240
agaaatccca ttcaaaacca aaagacaaga tgga 274

<210> 47759
<211> 273

002220"ETTES60

<212> DNA
<213> Glycine max

<223> Clone ID: 701037745H1

<400> 47759

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cagatataga agtgcttcaa gctatacgtg ttgcacaccc tgagtgtcag tttattcttg 120
atgctaataa ggggtataac tctgaggaag cagttgaagt tcttgagaaa ctacatgata 180
tgaggttgac tctgttcta tttgagcaac cagttcatag agatgattgg gatggctctc 240
ggtatgtcgg taatatagca agagagagat atg 273

<210> 47760
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037746H1

<400> 47760

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catgcagaac tgtgaccaa ccatttcatt ggctgacttt agtaaaggag acagaagtaa 120
aaacctcggc gagtgaggaa gacgagccga gctataccga ggatgggtgtt gattgtcacc 180
atgaaacaac tagaggaag aaaggatcac cttggcagcg tgtgaagtgg actgataaga 240
tggtaaagct tctgataaca gctgtttctt atat 274

<210> 47761
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037747H1

<400> 47761

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cactcttggt cttgcgagag aaagccatgc cagacacgca gatttttggc atgctgtttg 120
gccaaacact ccatttcaa gttcattgag agatcttcta aagcctggcc ctgcaagtgt 180
tgaaatcgat gctcacccta tgcaaattga agaaacacag taccgaaaa ctttcttcta 240

taaagaagac cttcatccag gcaaaacaat

270

<210> 47762

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037748H1

<400> 47762

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ctgtcaaagt ttatattgtg tactactcca tgtatgggca tgttgagaaa ctagcagaag 120

aaataaagaa aggggcttcc tctgtggaag gtgttgaggc caagttatgg caggtacctg 180

agacactgct ggatgaggtg cttggtaaga tgagtgcacc acccaagagt gacgtaccag 240

tcattacccc caatgaacta tccgaggctg atgg 274

<210> 47763

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037749H1

<400> 47763

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gacacccatt tgaaatttga aatctcgctc tggctaattc catgttcatt gtttactata 120

cctcaccact ccaagggctc cataaatttc ttctgcttcc aactctgctg cagaaaaaga 180

aactgttggt tctagataca agtgggtttc cagagtagaa gtgaggctat tgggcatgag 240

ataaacagca agcaccatca tctacgaccc ttttgacta 279

<210> 47764

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037750H1

<400> 47764

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ggaaacttgg gcaatcaatc cctcgccgtc ttgctcacgg taataataaa gctgttgctt 120
 gtcgatattt tgctcagat gctgagctga aaaagacagt cctttatgac ttccatgttg 180
 ctaatggagg gaagatggtg ccatttgctg gatggagcat gccaatccaa tacaaggact 240
 caattatgga ctcaaccctt aactgtaggg agaattgg 277

<210> 47765
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037751H1

<400> 47765

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 aagccaagat cgatcaagat cacccaacgt agaagtggct tccaaggaat tagggacaaa 120
 tgatgaagaa gagaagaaag agtatggtag acggatagag agagaggatg atagtccctc 180
 agggcatgct cataaagttc caaggttcag tcctccaaag gataataata gtgttgacgc 240
 tgaggctact atgaggaagg caagagtttc tgtttagag 278

<210> 47766
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037752H1

<400> 47766

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 tattcatata gttctgtctg aagagaagag ttatgatata ttaaataata taagtggttt 120
 ttttcttctt catttccacg ttccatcaaa tgaatatgct ctttacagta cagccaagtc 180
 atcataacga ttaataatta gctcatagtt tttttggaag agttgtgaaa atgggacttg 240
 tggagctttt tggggcggca tctatgcccg tgatca 276

<210> 47767
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037753H1

<400> 47767

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 tcggcccatt cctccttaag tcggcccggtg acaccattgc ctccggcgat gggcactcca 180
 atgccctcga cttcgccatc cgggactcca agtccttcga gcgctgcgcc gtcgatggcg 240
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<210> 47768

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037754H1

<400> 47768

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 gatcaccgag atagctgcgg cggcggcgcc ggcggcgccg gagggagtgt gaagggtgag 180
 tgttcctcaa tgccgtcgaa cgggaaggca aatatgtggg aggaacaaca atagcaacaa 240
 caggggatgg acgagttgct ggcggcggtt gggt 274

<210> 47769

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037755H1

<400> 47769

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 tgttcttctt cactctcaag taccttttcc aaagaagcag aaaagtacga aacctgccac 120
 ctggtccgac tctcttctt ataatcggca accttaacct cgttgaacaa cctatacac 180
 gtttcttcca ccgcatgtcc caaagctatg gaaacatcat atcccttggg tttgggtcac 240
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[illegible]

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<400> 47771

<400> 47772

<210>	47773
<211>	92
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<223> Clone ID: 701037696H1

<400> 47773

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<210> 47774

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701037702H1

<400> 47774

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tcaaaaggaa attgcgaaga atcaccaaatt gagaaagata tacacggtcc agcttggcga 120

gaacgagctc gtccttaagg aactggattt attgaaagac gacgcaaattg tttataagct 180

gattgggccca gtacttggtta agcaagattt ggccgaggcc aatgcaaattg tccgcaagag 240

aatcgaatac atctcagctg aattgaagcg tctggatgcc a 281

<210> 47775

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701037703H1

<400> 47775

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gcagcgcttc tggctgctgg ccttgctcgc acctttgaca gaatgcctta tctgctgtct 180

ctgtcttcct ttgtggctga cgatgttgcc gctgctgttc ctgctgctca agatctgggg 240

gagcagtggg cttattaatg gatgtgcttc aattcaaata g 281

<210> 47776

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 701037704H1

<400> 47776

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tccacacaac atgcg 75

<210> 47777

<211> 280

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<223> Clone ID: 701037705H1

<400> 47777

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ggatagtggc ctaccatggg ggtgacgggt gacggagaat tagggttcga ttccggagag 120

ggagcctgag aaacgggtac cacatccaag gaaggcagca ggcgcgcaaa ttacccaatc 180

ctgacacggg gaggtagtga caataaataa caataccggg ctcatgagtg ctggttaattg 240

gaatgagtac gatctaaatc ccttaacgag gatccattgg 280

<210> 47778

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701037706H1

<400> 47778

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agttcctact tgaacgtggg tacactgtca ggaccactgt tcgacacca aatgatcaca 120

cgaaggtaga acatttgcta aaacttgaag gtgcaaagga gagactgcac cttgttaagg 180

cagatctttt ggggtgaaaat tcttttgact ccattgctga cggctgtgat ggcgtctttc 240

atactgcttc tccttttatt atcaacgtca aagaccaca g 281

<210> 47779

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037710H1

<400> 47779

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aatatgaagt atacgactca gtcagaaatt cttggagtcg tccaggaaac atgcctgtgg 120
gcatgaagct gccattgtcg ctcaacttta ggtctcaagc tgtctctatt ggcagcacac 180
tttatttcat gcgttcagac ccagacggga ttgtttccta tgatatggca actgggggtt 240
ggaaacaata tataatccca ggcgcactgc atctgactg 279

<210> 47780

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701037712H1

<400> 47780

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ttcgagggtta cgacgaagta ccgtcctccg atcatgccta tcggacgcgg cgcgtaggga 180
atcgtttgct cactgttgaa taccgagacg aacgagctgg tggctgtgaa gaagatagcg 240
aacgctttcg acaatcacat ggacgctaag cgtacg 276

<210> 47781

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701037713H1

<400> 47781

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ttatctctga gttatcccaa ttccctaaag aaaaaaatac tgaagaattg agcaaatctg 120
atgccactaa aaagttggaa ctaatggatg actttctgga ggtggagaaa ttggctcggt 180
tatcaaatga tttcagtgga gtttcagtta cttcaaacaa tatggcaaata gaaactgtga 240
ccaatgatgt atcagaggtc agtactgaga aagatg 276

<210> 47782
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037714H1

<400> 47782

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 gtaccactag agttggaggt gaagaagtta atcagcgaca ttctgggagg gagcaacaac 180
 agtctcgttc tgaagaaccg agagtgcgag acgaccgaca cgctgataga gacagggaaa 240
 tatcacgtga aagacgtagg gacaaagaca gagaac 276

<210> 47783
 <211> 97
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037715H1

<400> 47783

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 accaagacca acgaaccaac ctcttcctcc gactacc 97

<210> 47784
 <211> 272
 <212> DNA
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<223> Clone ID: 701037716H1

<400> 47784

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 aacggtgcgg tgggtgtgctt tgttgtagtc gtctccgac atcatcgaga atgcgcaatc 120
 tggctgcacc tcattccttg ggggttttca tctttcgccc caataagcct ctttttctca 180
 ctctccccctc actctctcga agatctctcc cttccatcca gtgcggtgca gttcaattcc 240
 gccctgcat cgatatccac aaagggaag tg 272

0053113-032200

<210> 47785
<211> 256
<212> DNA
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<223> Clone ID: 701037717H1

<400> 47785

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tctttactct cagactcagc ttgaagcgtt catcgacaaa aattcccaca ttgggggtttt 180
gcttcttgca cgatgcatca cgcgtgaaat atctgatgtg gctttgagtt taatccatcg 240
cattccaagc tgcctc 256

<210> 47786
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037718H1

<400> 47786

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gtctccggga cctccaatcc caaccggcga acaagatctg cgtggactgt tcccagaaga 120
accgcaatg ggctccgta tcgtacggcg tcttcatgtg cctagagtgc tcaggcaagc 180
accgcgccct gggcgtgcac atctccttcg tgcgatccgt gacgatggat tcgtggtccg 240
aaatccagat caagaaaatg gaagccggag gcgacgacaa a 281

<210> 47787
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701037719H1

<400> 47787

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acttgaaaat aaatcttccc tttttgtgtc acaaccatgg gttgttgtat gagtaaaaca 180
 gggtcagagc cataagaaca cattgtttac agacatgttg cgggtgctgg ggggtgctgg 240
 gtgt 244

<210> 47788
 <211> 279
 <212> DNA
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<223> Clone ID: 701037720H1

<400> 47788

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 acttatgtca cgaagtcaat gttcgaacca aaaaacatat tgatgctcca gttaaatagaa 180
 tatgtcgcta cactttccat tcgaagtcac gtcggaaccc aagacatctg aagtgtgat 240
 cagctgcgcc aaagatacat accaagggtt tgcgggcga 279

<210> 47789
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037721H1

<400> 47789

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 ggtcacctga tttacaagct tggaggcatt gacaagcgtg ttattgagag gtttgagaag 180
 gaagctgctg agatgaacaa gaggtctttc aagtatgcct ggggtgctgga caaacttaag 240
 gctgagcgtg aaagaggaat caccattgat attgcttt 278

<210> 47790
 <211> 278
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<223> Clone ID: 701037722H1

<400> 47790

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gaagtgaaga accatgagcc aacctacact atttagcagt ggattcgagc ttgcatcttc 120
tgtgacaagc tctgtcgttc ttcacagatc atggaatggt atcacgtccc gttatgccgg 180
aatcgttaca aacgtgggac acggagtatc atggaaagt tatagagaac caggttcgga 240
tttgacgatt atagcctttg aggtcaagct agattttt 278

<210> 47791

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701037723H1

<400> 47791

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ttcccactcc cttggaaaac aagtatatga aacccccaga ttcttttcag ctttcacccg 180
tcagagatct gactggaaat tctgcctcat caaattcaat cagaagtgtt gggaagatgt 240
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<210> 47792

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701037725H1

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ttagttatta ggatattggc tttggccgtt tgagggtcgt cagattgatg ctgtgatggg 180
agattataag agtttttcat ttccaaaat gatgggctgc tgtggttgct ttggatttgt 240
ccaaaaacca agaccgcgtc gggctaaacg tagcatca 278

<210> 47793
 <211> 277
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037727H1

 <400> 47793

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 tcgttgacacg ttgttctgag catcatcgct tctgggtcca agggccccac actcgatcag 180
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<210> 47794
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 <223> Clone ID: 701037728H1

 <400> 47794

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<210> 47795
 <211> 274
 <212> DNA
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 <223> Clone ID: 701037729H1

 <400> 47795

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cgaggttgca gctcgagagg atcaatgtct actacaacga ggccagttgc ggtcggttcg 240
tgccgcgcgc ggttctcatg gacctcgaac cggg 274

<210> 47796
<211> 252
<212> DNA
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<223> Clone ID: 701037692H1

<400> 47796

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gaaaaagggga agcaagatac tgcattgtaa gatttaagt tctcttggga gaatgaaagc 180
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catgtcgtcg cg 252

<210> 47797
<211> 77
<212> DNA
<213> Glycine max

<223> Clone ID: 701037623H1

<400> 47797

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gtggtggttc cgattgc 77

<210> 47798
<211> 109
<212> DNA
<213> Glycine max

<223> Clone ID: 701037624H1

<400> 47798

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<210> 47799
 <211> 79
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037625H1

<400> 47799

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aggctgaaga catcatcac 79

<210> 47800
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 <212> DNA
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<223> Clone ID: 701037627H1

<400> 47800

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ccactactcc cccagttact tgcttagtct ctgattgctt cgtcactttt 110

<210> 47801
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<223> Clone ID: 701037628H1

<400> 47801

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<210> 47802
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 <212> DNA
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<223> Clone ID: 701037629H1

<400> 47802

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